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*TIME TABLE—FACULTY OF LAW.

Hours	*Monday.*	*Tuesday.*	*Wednesday.*	*Thursday.*	*Friday.*
9 to 10	Shipping	Const. History	Const. Law	Const. History	Const. Law.
10 to 11	Conflict of Laws	Torts			International Law.
11 to 12			Sales	Moot Court	Equity.
12 to 1			Contracts		Contracts.
4.30 to 5.30	Real Property		Procedure	Evidence	
8 to 9					

*Subject to alteration.

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CALENDAR

OF

DALHOUSIE UNIVERSITY

HALIFAX, - - NOVA SCOTIA

1907-08.

HALIFAX:
PRINTED FOR THE UNIVERSITY BY McALPINE PUBLISHING CO., LTD.
1907.

1907-08.

TIME TABLE—FACULTY OF ARTS AND SCIENCE.

Hours.	*Monday.*	*Tuesday.*	*Wednesday.*	*Thursday.*	*Friday.*
9-10	Chemistry 1 .. German 3 ... Math. 2.....	Chem. 2. 3, 4.. French 3 .... Math. 1	Chemistry 1 .. German 3..... Math. 2	Chemistry 2, 3, 4 French 3 ..... Math. 1	Chemistry 1 .. German 3 .... Math. 2 .....
10-11	Latin 2..... Math. 1..... Philos. 5..... History 1	Greek 1 ..... Math. 2 ..... English 3..... History 2.... Mineralogy 1..	Latin 2..... Math. 1..... Philos. 5..... History 1.....	Greek 1 ..... Math. 2 ..... English 3..... History 2..... Mineralogy 1....	Latin 2. ..... Math. 1 .... History 1 ....
11-12	Latin 1... ... Physics 1..... ..... Geology 6	Greek 2 ..... Physics 2.... Pol. Econ. 1 .. Philos. 2.....	Latin 1..... Physics 1..... ..... Geology 6	Greek 2 ..... Physics 2..... Pol. Econ. 1 .... Philos. 2	Latin 1..... Physics 1..... ..... Geology 6 ....
12-1	English 2 .... Chem. 4 ..... Latin 1..... Latin 3..... Education 1 ..	English 1.... Astronomy ... Greek 3 ..... Geology 1 .... Philos. 1.....	English 2 .... Latin 3 ..... Latin 1	English 1. ..... Astronomy ..... Greek 3 ..... Geology 1 ..... Philos. 1.....	English 2..... Adv. Classics. Greek 1 ..... Geology 2 ....
2-3	German 2.....	French 2 ..... Biology ..... Geology 5	German 2... . Miner. (Lab.). Geol. 1 (Lab.).	French 2 .... Geology 5	German 2 .... Miner. (Lab.). Geol. 1 (Lab.).
3-4	German 1.... Philos. 6 .... Chem. (Lab.)	French 1 ..... Biology ..... Physics 6 .... Bib. Lit.....	German 1..... Miner. (Lab.). Chem. (Lab.). Geol. 1 (Lab.).	French 1 .... Physics 6..... Bib. Lit.	German 1 .... Philos. 6..... Geol. 1 (Lab.). Miner. (Lab.).
4-5	Geology 3 .... Philos. 1..... Chem. (Lab.) .	Geology 2 ... Physics 6..... English 4.....	Geology 3, ... Chem. (Lab.).	Geology 2 ..... Physics 6..... English 4.....	Geology 3 .... Education ....
5-6	Chem. (Lab.)	Physics 6	Chem. (Lab.)..	Physics 6.....	....

Saturdays: Chemistry 3, 9—10 A. M.
Biology, 11 A. M.—1 P. M.
Geology, 1, 2—Field and Library work throughout the day.
Mining and Metallurgical Excursions and Exercises throughout the day.

N. B.—The days and hours of meeting of classes not mentioned in this Time Table will be announced at the opening of the session.

1907-08.

TIME TABLE—FACULTY OF ENGINEERING.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9–10	Chem. 1 A.... Math. 2 ..... Mining 1..... Hydraulics 1..	Chem. 4..... Math. 1..... Mining 3..... Hydraulics 2..	Chem. 1 A.... Math. 2 ..... Mining 1..... R'y. Econ.... Surveying 3...	Chem. 4..... Math. 1..... Mining 3..... Hydraulics 1.... Metall. 4.....	Chem. 1 A.... Math. 2..... Mining 1 ..... Hydraulics 1.. .....
10–11	Math. 1,..... Metall. 3..... Surveying 1... Drawing 2.... Geol. 4.	Math. 2 ..... Mineralogy.... Surveying 2 .. Mining 2.....	Math. 1 ..... Metall. 3..... Surveying 1... Drawing 2.... Geol. 4.....	Math. 2 ..... Mineralogy. ... Surveying 2..... Mining 2.. ..... Metall. 4.....	Math. 1..... ..... Surveying 1 .. Drawing 2.... Geol. 4.....
11–12	Physics 1..... Geol. 6, 7. ... Structures 1..	Physics 2 B... Metall. 6.....	Physics 1..... Geol. 6, 7..... Structures 1.	Physics 2 B..... Metall. 4, 6.	Physics 1..... Geol. 6, 7..... .....
12–1	Chem. 4..... Metall. 2..... Mechanics	English 1 .... Geol. 1..... Structures 2..	..... Metall. 2..... Mechanics	English 1 ..... Geol. 1..... Structures 2.... Metall. 4.....	..... Metall. 2..... Mechanics.... ....
2–3	German 2	French 2..... Metall. 1.....	German 2 .... Geol. 1 (Lab.). Miner. (Lab).	French 2 ..... Metall. 1, 4.....	German 2 .... Geol. (Lab.).. Miner. (Lab.).. Metall. 4.....
3–4	German 1 .... Chem. (Lab.).. .... Structures 2..	French 1..... Phys. (Lab.) .. Metall 1 ..... Drawing 1....	German 1 .... Chem. (Lab.).. Geol. 1 (Lab.). Miner. (Lab.)..	French 1 ..... Physics (Lab.) .. Metall 1, 4..... Drawing 1.....	German 2..... Metall. 4..... Geol. 1 (Lab.). Miner. (Lab.) .
4–5	Chem. (Lab.).. Geol. 3.....	Phys. (Lab.).. Metall. 1..... Drawing 1....	Chem. (Lab.).. Geol. 3	Phys. (Lab.).... Metall. 1, 4..... Drawing 1.....	Metall. 4 ..... Geol. 3 ....
5–6	Chem. (Lab.)..	Phys. (Lab.).. Metall. 1..... Drawing 1 ...	Chem. (Lab.)..	Phys. (Lab.) ... Metall. 1, 4..... Drawing 1	Metall. 4..... ....

Saturdays: Geology—Field work throughout the day.
Mining and Metallurgical excursions throughout the day.

N. B.—The days and hours of meeting of classes not mentioned in this Time Table will be announced at the opening of the session.

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UNIVERSITY ALMANAC, 1907-1908.

1907.

Aug. 15. Th.—Last day for receiving applications for Autumn Preliminary Examination (Provincial Medical Board).

19. M.—Last day for receiving notices of Supplementary Examinations (Medical Faculty).

21. W.—Last day for receiving applications for Autumn Professional Examinations (Provincial Medical Board).

27. Tu.—Last day for receiving notices of Supplementary Examinations (Law Faculty).

29. Th.—Session begins. Preliminary Examination (Prov. Med-Board) begins at 9 a. m., at Dalhousie College.

Sept. 2. M.—Supplementary Examinations begin (Medical Faculty).
—Results Preliminary Examination (Prov. Med. Board) declared, and certificates issued. 10 a. m.
—Registration and Payment of Class Fees (Med. Faculty 11 a. m.

3. Tu.—Session begins (Law Faculty).
—Lectures begin at Halifax Medical College.
—10 A. M., Registration and Payment of Class Fees (Law Faculty).
—3 P. M., Supplementary Examinations (Law Faculty).

4. W.—Lectures begin (Law Faculty).

9. M.—Last day for receiving notices of Supplementary Examinations (Arts, Science and Engineering Faculties).

10. T.—Registration of Candidates for Matriculation and Scholarship Examination (Arts, Science and Engineering Faculties).

11. W.—Examination for Junior and Senior Matriculation, and for Entrance Scholarships (Arts, Science and Engineering Faculties).
9 A. M., Latin.
3 P. M., Greek.

12. Th.—9 A. M., Geometry.
11 A. M., Trigonometry.
3 P. M., Arithmetic, Algebra

13. F.—9 A. M.. History and Geography
3 P. M., English.

14. S.—9 A. M., French
3 P. M., German.

16. M.—9 A. M., Chemistry.
9 A. M., Supplementary Examinations begin (Arts, Science and Engineering Faculties).

18. W.—9 A. M., Meeting of Faculties of Arts, Science and Engineering.
3 P. M., CONVOCATION. Address by Professor Brydone Jack.

19. Th—Registration and payment of class fees (Arts, Science and Engineering Faculties).

20. F.—Lectures begin (Arts, Science, Engineering, and Medical Faculties).

Oct. 1. Tu.—Intimation as to elective subjects to be made by undergraduates (Arts, Science and Engineering Faculties) on or before this day.

15. Tu.—Returns as to residence and church attendance to be made on or before this day.

Th.—Thanksgiving day. No lectures.

F. —Munro day. No lectures.

Dec. 13. F. —Last day of lectures (Faculties of Arts, Science, Engineering and Medicine).

14. Sa.—Christmas Examinations (Arts, Science and Engineering Faculties) begin.

9 A. M., Philosophy 1 and 5.

3 P. M. French; Mechanics; Structures 2.

16. M. —9 A. M, Chemistry 1; Physics 2.

3 P. M., Physics 1; Drawing 1; Hydraulics 1 and 2.

17. Tu.—9 A. M., Latin.

3 P. M., English 1; Education.

18. W.—9 A. M., Mathematics, Philosophy 6.

3 P. M., German.

19. Th.—9 A. M., Mathematics, Political Economy.

3 P. M., English 2 and 4.

20. Fr.—9 A. M., Greek, Biology, Surveying 1 and 2; Railway Economics.

3 P. M., History 1 and 2.

21. Sa.—Christmas vacation begins.

1908

Jan. 7. Tu.—Lectures resumed (Arts, Science, Engineering, Law, and Medical Faculties).

Feb. 19. W.—Last Day of Lectures (Law Faculty).

20. Th. Sessional Examinations begin (Law Faculty).

10 A. M., Equity.

3 P. M., Torts.

21. F. —10 A. M, Companies.

3 P. M., Crimes.

22. Sa.—10 A. M., Constitutional History, International Law.

24. M. —10 A. M., Constitutional Law.

25. Tu.—10 A. M., Shipping.

26. W.—10 A. M., Real Property.

27. Th.—10 A. M, Sales.

28. F. —10 A. M, Contracts; Conflict of Laws.

Mar. 4. W.—Ash Wednesday. No Lectures.

Apr. 1. W.—Last day for receiving applications for Primary and Final M. D. C. M. Examinations and for Spring Professional Examinations (P. M. Board).

—Last day for receiving M. A., M. Sc. and B. E. Theses.

6. M. —Last day of Lectures (Faculties of Arts, Science, Engineering and Medicine.

8. W.—Spring Examinations (Faculties of Arts, Science, Engineering and Medicine) begin.

9.00 A. M., Philosophy 1 and 5, Mining 2.

3.00 P. M., Education, Mathematics.

9. Th.—9.00 A. M., Practical Chemistry (Laboratory, 1st Division).

2.30 P. M., Practical Chemistry (Laboratory, 2nd Division).

10. F. —9.00 A. M., Latin, Metallurgy 3 and 6.

3.00 P. M., French, Geology 2.

Apr. 11. Sa.—9.00 A. M., English 2 and 4; Drawing 1; Structures 1 and 2.
3.00 P. M., Physics 2; Political Economy.
Certificates of Class Attendance, Med. Fac., Dalhousie, issued on presentation of Class Fee Receipts.
13. M.—Certificates of Class Attendance. Halifax Medical College, issued on presentation of Class Fee Receipts.
9.00 A. M., English 1, Physics 1.
3.00 P. M., Physics 6, 7 and 8, Addit. Philosophy 1 and 5, Geology 2.
14. Tu.—9.00 A. M., Mathematics, Astronomy, Addit. English 3.
3.00 P. M., Addit. Latin, Geology 1.
15. W.—9.00 A. M., Chemistry 1, Addit. Education.
3.00 P. M., History 1 and 2.
Physiology and Histology, Medical Jurisprudence and Hygiene.
16. Th.—9.00 A. M., Greek; Junior Anatomy; Geology 6.
3.00 P. M., Chemistry 2, 3, 4.
Obstetrics and Diseases of Women and Children.
17. F. —(Good Friday). 9.00 A. M. Zoology.
3 P. M. Senior Anatomy, Medicine.
18. Sa.—9.00 A. M., Philosophy 6; Oral Exams. Chemistry; Anatomy, Physiology and Histology.
3.00 P. M., Botany; Surgery; Geology 1; Hydraulics 2; Drawing 2; Surveying 2.
20. M.—9.00 A. M., Addit. Greek; Addit. French; Medical Physics. Clinical Medicine at V. G. H.; Mechanics.
3.00 P. M., German; Pathology and Bacteriology.
21. Tu.—9.00 A. M., Addit. Physics 1 and 2.
Clinical Surgery at V. G. H.; Mineralogy.
3.00 P. M., Addit. History; Addit. English 1 and 2; Materia Medica and Therapeutics
22. W.—9.00 A. M., Addit. Mathematics; Addit. Philosophy 6; Designing; Hydraulics 1.
2.00 P. M., Oral Exams.—Materia Medica and Therapeutics; Pathology and Bacteriology.
3.00 P. M., Addit. Political Economy; Surveying 3.
Th.—9.00 A. M., Addit. German; Metallurgy 2.
2.00 P. M., Oral Exams.—Surgery; Medicine; Obstetrics and Diseases of Women and Children; Medical Jurisprudence and Hygiene.
4. F. —Results of P. M. B. Professional Examinations declared.
7. M.—9.00 A. M., Meeting of Faculties of Arts, Science and Engineering.
8. Tu.—9.00 A. M., Meeting of Senate.
4.00 P. M., Meeting of Faculty of Medicine.
29. W.—10.00 A. M., Results of Examinations (Faculties of Arts, Science, Egineering and Medicine) declared.
30. Th.—3.00 P. M., Convocation.

May 4. M.—Summer Session of Mining School begins.
7. Th.—9.00 A. M., Spring Preliminary Examinations (Prov. Med. Board) begin.
12. Tu.—4.00 P. M., Annual Meeting Medical Faculty.

June 13. F. —Summer Session Mining School ends.

N. B.—The dates of the Examinations are liable to change as circumstances may demand.

Dalhousie University.

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W. H. HATTIE, M. D., C. M., (McGill), *Examiner in Clinical Medicine.*

GEORGE M. CAMPBELL, B. A., (Dal.), M. D., (Bell. Hosp. Med. Col.), *Examiner in Pathology and Bacteriology.*

N. E. MCKAY, M. D., C. M., (Hal. Med. Coll.), M. B., (Univ. Hal.), M. R. C. S., (Eng.), *Examiner in Surgery.*

H. H. MACKAY, M. D., C. M., (McGill), *Examiner in Physiology and Histology.*

MURDOCH CHISHOLM, M. D., C. M., (McGill), L. R. C. P., (Lond.), *Examiner in Clinical Surgery.*

NORMAN F. CUNNINGHAM, M. D., (Bell. Hosp. Med. Coll.), *Examiner in Medicine.*

JOHN W. MACKAY, M. D., (Bell Hosp. Med. Coll.), *Examiner in Surgery.*

A. STANLEY MACKENZIE, B. A., (Dal.), Ph. D., (J. H. U.), *Munro Professor of Physics.*

E. V. HOGAN, M. D., C. M., (McGill), M. R. C. S., (Eng.), L. R. C. P., (Lond.), *Examiner in Medical Jurisprudence and Hygiene.*

J. G. MCDOUGALL, M. D., C. M., (McGill), *Examiner in Pathology and Bacteriology.*

DANIEL MCINTOSH, M. D., (Harv.), L. R. C. P., (Edin.), *Examiner in Obstetrics and Diseases of Women and Children.*

W. B. MOORE, M. D., C. M., (Hal. Med. Coll.), *Examiner in Materia Medica and Therapeutics.*

R. A. H. MCKEEN, M. D., (Bell Hosp. Med. Coll.), *Examiner in Clinical Surgery.*

A. L. MCCALLUM, B. Sc., (McGill), *Examiner in Chemistry.*

————————, *Examiner in Physics.*

————————, *Lecturer on Biology.*

Dean of the Faculty: DR. SINCLAIR.

Secretary of the Faculty: DR. LINDSAY.

STANDING COMMITTEES

STUDIES AND ATTENDANCE.

(*Arts, Science and Engineering*)

DEAN H. MURRAY, *Chairman.*
PROFESSOR MACKAY, *Secretary.*
PROFESSOR MACKENZIE.
PROFESSOR BRYDONE-JACK.

ARTS LIBRARY.

PROFESSOR MACMECHAN, *Chairman.*
PROFESSOR D. A MURRAY, *Treasurer.*
PROFESSOR W. C MURRAY.
PROFESSOR JONES.

LABORATORIES.

PRESIDENT FORREST, *Chairman.*
PROFESSOR MACKAY, *Secretary.*
PROFESSOR WOODMAN.
PROFESSOR MACKENZIE.
PROFESSOR BRYDONE-JACK.
PROFESSOR OF MINING.

ATHLETICS.

PRESIDENT FORREST, *Chairman.*
DEAN WELDON.
DEAN MURRAY.
PROFESSOR WOODMAN.
PROFESSOR MACKENZIE.

Dalhousie University.

INTRODUCTION.

Historical Sketch.

DALHOUSIE COLLEGE was founded in 1818 by the Right Honourable George Ramsay, Ninth Earl of Dalhousie, "for the education of youth in the higher branches of science and literature."

The original endowment was derived from funds collected at the port of Castine, Maine, during its occupation in 1814 by Sir John Sherbrooke, then Lieutenant-Governor of Nova Scotia. In a letter to Lord Bathurst, dated December 14th, 1817, Lord Dalhousie, with the unanimous consent of the Council, proposed that £9,750 of these funds be devoted to the "founding of a College or Academy on the same plan and principle as that in Edinburgh," "open to all occupations and sects of religion, restricted to such branches only as are applicable to our present state, and having the power to expand with the growth and improvement of our society," and that this College be established in Halifax, "the seat of the legislature, of the courts of justice, of the military and the mercantile society." On the 6th of February, 1818, Lord Bathurst wrote expressing the Prince Regent's "entire approval of the application of the funds in question in the foundation of a Seminary in Halifax for the higher classes of learning." The building was begun in 1819, and on the 22nd of May, in the year 1820, the corner stone was laid by the Earl of Dalhousie. On the 13th of January, 1821, a "Bill to incorporate the Governors of Dalhousie College at Halifax" became law. The original Board consisted of the Governor-General of British North America, the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief Justice, the President of Council, the Treasurer of the Province, the Speaker of the House of Assembly, and the President of the College.

After unsuccessful efforts in 1822-4 and 1829-36 on the part of both the British Government and the Board of Governors to effect a union with King's College, at

that time the only other existing in the Province, Dalhousie College went into operation in 1838, with the Rev. Thomas McCulloch, D. D., as President.

In 1841 an Act was passed conferring university powers upon the College, and vesting the appointment of the Governors in the Governor and Council. Two years later President McCulloch died, and in 1845 the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate." From 1849 to 1859 the College funds were employed to support a High School. Toward the end of this period, in 1856, the Arts department of Gorham College, Liverpool, supported by the Congregationalists, was transferred to Dalhousie, "with a view to the furtherance of the establishment of a Provincial University;" and for a short time an attempt was made to conduct the institution as a University under the Act of 1841.

The history of Dalhousie College as an institution realizing the purpose of its Founder may be dated from 1863. In that year the College was reorganized under an Act which empowered the Board of Governors to grant to any body of Christians, or any individual, or number of individuals, the privilege of nominating a representative to the Board, and a Professor, for every chair in the College suported by them to the extent of twelve hundred dollars a year. In consequence of this provision, the Presbyterian Church of Nova Scotia closed their academies at Truro and Halifax, and undertook the support of two chairs; and the Church of Scotland in Nova Scotia, having no institution of their own, endowed one chair—the Chair of Mathematics. Thus strengthened, the College opened in the Autumn of 1863 with a staff of six professors, the Rev. James Ross, D. D., being Principal. At the death of the incumbents of the two chairs supported by them, the Presbyterian Church withdrew their support.

In 1879 Mr. George Munro, of New York, endowed the Chair of Physics, and in rapid succession Chairs of History and Political Economy, English Literature, Law, and Metaphysics. He also supported tutorships in Classics and Mathematics, and for ten years provided liberal exhibitions and bursaries. His munificent gifts were at that time unparalleled in Canada.

In 1882 Mr. Alexander McLeod, of Halifax, left the residue of his estate to endow the three chairs now known as the McLeod Chairs of Classics, of Modern Languages, and of Chemistry.

The purchase of the old College building by the City, and the generous gift of $20,000 by Sir William Young, for over forty years Chairman of the Board of Governors, led to the erection of a new building, the corner stone of which was laid by Sir William on the 27th of April, 1887. The gifts of Sir William Young to the College subsequent to its reorganization exceeded $68,000.

In 1890, Mr. John P. Mott, of Halifax, left a bequest of $10,000 to the College.

In 1902 the School of Mines was established, and in the same year the Alumni began a movement to erect a Library in memory of the late Professor Macdonald. For these two purposes subscriptions to the amount of about $80,000 were obtained.

The Faculty of Medicine was organized in 1868; merged into the Halifax Medical College in 1875; and re-organized in 1885.

The Faculty of Science was organized in 1877, and re-organized in 1891. In 1906 the Faculty was divided, the department of Pure Science uniting with the Faculty of Arts to form the Faculty of Arts and Science, and the department of Applied Science constituting the Faculty of Engineering.

The Faculty of Law was established in 1883.

Constitution.

THE BOARD OF GOVERNORS is the supreme governing body of the University. Appointments to it are made by the Governor-in-Council on the nomination of the Board, or on the nomination, with the approval of the Board, of any body of Christians, or of any individual, or number of individuals, supporting a chair in the College. Any such body or individual is entitled to one representative Governor for each chair so supported. The Governors have the management of the funds and property of the College; the power of appointing the President, Professors, and other officials, and of determining their duties and salaries; and the general oversight of the work of the University.

THE SENATE consists of the President and Professors. To this body are intrusted, by statute, the internal regulations of the University, subject to the approval of the Governors. All degrees are conferred by the Senate.

THE FACULTIES are committees to which are intrusted by the Senate, subject to its approval, the supervision of the teaching of the University, the preparation of regulations governing the courses of study, and the recommendation of suitable candidates for prizes, scholarships, diplomas, and degrees. The University contains a Faculty of Arts and Science, and Faculties of Medicine, Law, and Engineering.

Degrees.

The Senate confers the degrees of Bachelor and Master of Arts, Bachelor and Master of Science, Bachelor of Engineering, Bachelor of Music, Bachelor of Laws, and Doctor of Medicine and Master of Surgery. A candidate for any degree must have conformed to the regulations of the Faculty in which he has been studying, and must be recommended by that Faculty for the degree.

The degree of Doctor of Laws may be conferred *honoris causa tantum* in recognition of eminent literary, scientific, or professional services.

The various Faculties of the University provide the instruction required in the courses leading to the above degrees, except in Music and in Medicine. In Music instruction is provided in the literary and scientific subjects required, and the University recognizes as qualifying for a degree the instruction in professional subjects given by the Halifax Conservatory of Music and other approved institutions. In Medicine, the University provides instruction in pure science, and recognizes the teaching in professional subjects of the Halifax Medical College and other approved Schools of Medicine.

AFFILIATED COURSES.—By a proper selection of elective subjects in his course, a candidate may reduce by one year the time required for the degree of Bachelor of Arts, and a professional degree in Law, Medicine, or Engineering. Similarly a candidate for the degree of Bachelor of Science may reduce by two years the time required for the combined Science degree and a degree in Medicine or Engineering.

PRIVILEGES.—The usual privileges of exemption from the Preliminary Examination granted to graduates of recognized universities by the learned professions in Canada and Great Britain are extended to this University.

The University of Oxford exempts from Responsions an undergraduate in Arts of this University who has passed in the subjects (including Greek) of the second or a higher year. A Bachelor of Arts, with Honours, is further exempted from four terms of residence. The Trustees of the Rhodes Scholarships exempt from the qualifying examination candidates who are exempted from Responsions by the University of Oxford.

Of the seven courses required by the University of Edinburgh for the degree of B. Sc. in Pure Science three may be taken in this University; and of the seven courses required for the B. Sc. in Engineering, two may be taken in this University, subject to certain conditions.

The University of London exempts Bachelors of Laws of this University from the Preliminary Examination leading to the LL. B. of that University. Graduates in law of this University are admitted to the Bar of Nova Scotia without further examination, provided they have passed in Procedure.

The degree in Medicine from this University is recognized as entitling to the privileges usually granted to graduates in Medicine of Canadian Universities. Graduates of this University in Medicine and Surgery who hold the License of the Provincial Medical Board may, on application, be placed on the Colonial List of the British Medical Register.

Equipment.

LIBRARIES.

The University possesses a University Library, open to all registered students, and a Law Library for the exclusive use of the students and instructors in the Faculty of Law. The University Library contains about 16,500 volumes and pamphlets, selected primarily to meet the needs of students in the Faculty of Arts and Science and the Faculty of Engineering. The Law Library contains more than 7,200 volumes, including all the law reports which a student will find it necessary to consult. Besides the libraries in the University, students may use, subject to certain conditions, the following libraries:—The Science Library, the Library of the Mining Society of Nova Scotia, the Legislative Library, the Citizens' Free Library, and the Library of the Presbyterian Theological College. The Cogswell Medical Library in the Halifax Medical College is open to the students of Medicine.

The University Library is in charge of a library committee appointed by the Senate, and a librarian. The Law Library is in charge of the Dean of the Law Faculty, assisted by a librarian.

THE MUSEUM.

The Museum consists chiefly of the THOMAS MCCULLOCH, the PATTERSON and the HONEYMAN COLLECTIONS.

THE THOMAS MCCULLOCH COLLECTION, presented by the late Rev. William McCulloch, D. D., of Truro, contains a large and valuable collection of birds, especially native species of the Maritime Provinces, besides many mineral, rock and fossil specimens, shells of recent mollusca, Indian implements, etc. The fossil specimens include a collection of European cretaceous fossils and of carboniferous fossils, chiefly Nova Scotian. The collection of birds is supplemented by the valuable collection made by Mr. T. J. Egan, of Halifax, containing thirty cases of native birds.

THE PATTERSON COLLECTION of Indian antiquities was made by the late Rev. George Patterson, D. D., LL. D., F. R. S. C., and presented by him to the University. It contains 288 specimens, catalogued and conveniently arranged for reference, including about 250 specimens relating to the aborigines of Nova Scotia.

THE HONEYMAN COLLECTION consists of the extensive geological collection made by the Rev. David Honeyman, D. C. L., F. S. A., for some years Professor of Geology in Dalhousie College, and was presented by Dr. Honeyman's relatives.

The Honeyman collection and the portion of the McCulloch collection illustrating Geology and Mineralogy, are placed in the Geological Laboratory.

The Zoological section of the Museum was catalogued by the late Dr. Andrew Halliday, Lecturer in Zoology from 1899 to 1903.

The collections of the Provincial Museum, illustrating the Geology, Mineralogy and Zoology of the Province, may be conveniently used by students.

LABORATORIES.

The University is equipped with laboratories in the departments of Physics, Chemistry, Biology, Geology and Mineralogy, Assaying and Mining and Civil Engineering. Facilities for research are provided for a limited number of students in Physics, Chemistry, Geology and Metallurgy.

Reports of the researches carried out by students appear from time to time in the Transactions of the Nova Scotian Institute of Science and other scientific publications.

THE PHYSICAL LABORATORY comprises a general laboratory affording accommodation for 16 students working simultaneously, a room for electrical work, and a number of smaller adjoining rooms for research work and storage.

THE CHEMICAL LABORATORY includes a general laboratory fitted with lockers for 85 students, and a quantitative laboratory accommodating 16 students, with additional rooms for weighing and for storing apparatus and reagents.

THE GEOLOGICAL LABORATORY occupies a large general laboratory and two small adjacent rooms, one of which is fitted for photographic work. The laboratory contains good collections, constantly being added to, of typical rock and mineral specimens, as well as collections of crystals, crystal models, geological maps, etc., for class instruction.

THE BIOLOGICAL LABORATORY accommodates about 25 students doing simultaneous microscopic work. Microscopes, reagents and material are provided for students.

THE ASSAYING LABORATORY contains a coke muffle furnace and a gasolene muffle and three pot furnaces with their accessories, and separate working desks for 12 students.

THE MINING LABORATORY occupies large, well-lighted basement rooms. Its equipment includes the following:— Blake breaker, Gates crusher, Gates fine grinder, pair of 9″ x 12″ crushing rolls, Collom jig, Rand compressor, reverberatory roasting furnace, gold clean-up barrel, Wilfley concentrating table, Bartlett concentrating table, settling tanks, and a five-stamp mill of the most modern pattern, especially designed for this laboratory. Power is furnished by a 10 H. P. three-phase motor. The stamp mill is run by a separate 5 H. P. induction motor.

THE ENGINEERING TESTING LABORATORY is equipped with a Fairbanks cement testing machine of 2,000 lbs. capacity and all necessary apparatus for making complete tests of the hydraulic cements used in engineering work. Tests of the cements used by the Department of Public Works of Nova Scotia are made in this laboratory.

ADMISSION.

Admission to Classes.

Persons of either sex of good moral character are admitted as students into certain classes of the University without formal examination, provided they are deemed qualified to profit by the work of the class or classes selected. To become a candidate for a degree a student must satisfy the requirements for Matriculation, and he is recommended to do this before entering upon any course of study leading to a degree.

Students who are candidates for a Bachelor's degree are known as Undergraduates; candidates for a Master's degree, as Graduate students. All others are classed as General students.

Matriculation.

A student in order to become a candidate for a degree must satisfy the requirements for Matriculation, either by passing an examination or by presenting a certificate which will be accepted as an equivalent. There are two standards of Matriculation, known respectively as the Junior and the Senior Matriculation. Candidates who satisfy the requirements of the Junior Matriculation may enter the first year of a course leading to a degree in any Faculty of the University. Candidates who pass the Senior Matriculation may enter the second year of an Arts or Science course, and may be exempted from certain classes in the courses in Engineering and in Medicine.

In general, the Matriculation is to be passed by a student before he enters upon a course of study leading to a degree. When a general student becomes an undergraduate, classes which he has attended and passed previous to Matriculation may, with certain restrictions, be accepted as qualifying for a degree. The Faculty of Arts and Science requires that the Matriculation be completed at least two academic years before a candidate is admitted to a baccalaureate degree. The Faculty of Engineering will only admit candidates who have passed in at least three of the subjects required for Matriculation, and requires that the Matriculation shall have been completed before a candidate enters upon a second year of study. The Faculty of Medicine will not recognize class attendance previous to Matriculation in any professional subject, unless the candidate has

passed in all, save one, of the subjects of the Matriculation or Preliminary Examination; but candidates who have attended and passed approved courses in Chemistry, Biology or Physics prior to Matriculation will be exempted from further attendance and examination in these subjects, provided they have attained a sufficiently high standard.

JUNIOR MATRICULATION.

Candidates for a degree in Arts and Science. Law or Medicine are required to pass in each of the following subjects; candidates in Engineering* may omit the foreign languages (subjects 1 and 2):—

1 and 2. Two of the following languages: Latin, Greek, French or German.

3. English.

4. History and Geography.

5. Arithmetic and Algebra.

6. Geometry.

The choice of foreign languages is subject to the following restriction: candidates for a degree in Arts must select *either* Latin *or* Greek; candidates in Law or Medicine must select Latin; and candidates in Science *either* French *or* German.

As stated above, candidates may satisfy Matriculation requirements either by passing an examination set by the University, or by presenting certificates recognized as equivalent.

JUNIOR MATRICULATION BY EXAMINATION.—The Junior Matriculation Examination will be held at the College on September 11th to 14th, 1907. The details of subjects of examination are as follows:—

LATIN.—The paper will contain (1) passages for translation from prescribed books with questions arising out of those books; (2) easy passages for translation from books not prescribed; (3) questions on Grammar, accidence and elementary syntax; (4) translation of easy sentences from English into Latin.

The books prescribed for the next examination are:—

For 1907.—Cæsar: *Gallic War*, Book I; and Vergil: *Aeneid*, Book II.

GREEK.—The paper will contain (1) passages for translation from a prescribed book with questions arising out of that book; (2) easy passages for translation from books not prescribed; (3) questions on Grammar, accidence and elementary syntax; (4) translation of easy sentences from English into Greek.

* Candidates in Engineering entering in 1908 and thereafter will be required to take *either* French *or* German.

The book prescribed for the next examination is:—

For 1907.—Xenophon: *Anabasis*, Book I.

FRENCH.—Voltaire: *Charles XII*, Books I, II, III. Grammar questions limited to accidence and easy rules of syntax, and based on the passages selected for translation.

GERMAN.—Zschokke, *Der Zerbrochene Krug* (Heath & Co.), or Hauff, *Das Wirthshaus im Spessart* (Macmillan & Co.), omitting the five tales interwoven in the original story. Grammar questions limited to accidence and easy rules of syntax, and based on the passages selected for translation.

ENGLISH.—*English*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects to be drawn from: —Macaulay, *Warren Hastings;* Shakspere, *Merchant of Venice;* Longfellow, *Evangeline;* Scott, *The Lady of the Lake.*

Questions on the interpretation of a passage not specified to test general intelligence.

Note—The essential part of this examination is the essay. Legible writing, correct spelling and punctuation, will be considered indispensable. Skill shown in sentence and paragraph construction will be awarded high marks. Not more than *one* of the works named need be read. It should be read primarily for the story, and need not be studied minutely, as a choice is allowed among at least four themes drawn from the works named.

HISTORY AND GEOGRAPHY.—Outlines of English and Canadian History and General Geography.

ARITHMETIC AND ALGEBRA.—*Arithmetic. Algebra*: As in Hall & Knight's *Elementary Algebra*, or Todhunter and Loney's *Algebra for Beginners*, or Wentworth's *Algebra.*

GEOMETRY.—Euclid, Books I, II, III, IV. Definitions of Book V, Book VI, first 19 propositions, or their equivalents.

Candidates who pass in three or more subjects, but fail to pass the examination as a whole, will be exempted from such subjects, should they appear as candidates on any subsequent occasion.

Candidates reaching a certain standard will be declared to have passed with Distinction, and will be eligible for the Mackenzie Bursary.

JUNIOR MATRICULATION BY CERTIFICATE.—The Faculty of Arts and Science, and the Faculties of Law and Engineering, will exempt holders of the following diplomas, licenses or certificates from the above examination in those subjects of the examination which are included in such diploma, license or certificate. and in which a sufficiently high standard has been reached, provided this standard has been reached in a majority of the subjects required for Matriculation.

a) Certificates of Matriculation into recognized Universities.

**b*) High School Certificates of Grades XII or XI of Nova Scotia.

c) Honour Diplomas, or Certificates entitling to a First Class License, as issued by Prince of Wales College, or a First Class License, issued by the Education Office of Prince Edward Island.

d) Grammar School, or Superior (except in Latin), or First Class Licenses of New Brunswick.

e) Equivalent Licenses or Certificates issued by Education Departments of other Provinces.

Persons may be admitted as undergraduates of the first year, without examination, on presentation of certificates from the Principals of High Schools or Academies, approved for this purpose by the Senate, stating that they have satisfactorily completed the work prescribed for the Junior Matriculation Examination, and passed satisfactory examinations therein.

The Faculty of Law, in addition to the foregoing certificates, etc., will accept as the equivalent of the Junior Matriculation Examination, a certificate stating that the candidate has passed the Preliminary Law Examination in any of the Provinces of Canada, or in Newfoundland, or in any of the British West India Islands.

The Faculty of Medicine will accept only those certificates which are recognized by the Provincial Medical Board as equivalent to their Preliminary Examination.†

SENIOR MATRICULATION.

Candidates are required to pass in each of the following subjects:—

1 and 2. Two of the following: Latin, Greek, French, German.

3. English.

4. History and Geography.

5. Arithmetic and Algebra.

6. Geometry.

7. Trigonometry.

8. *Either* Chemistry *or* Botany.

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*The standard required in the certificates issued by the Education Department of Nova Scotia is a mark of at least 40 per cent. in each of the subjects required for Matriculation. When any of the subjects specified above as required for Matriculation, is divided in the certificate examination into two or more parts, the average mark for such parts is taken as the mark obtained for the subject. Marks obtained in the subjects other than those required for Matriculation are not considered.

†All information with reference to the requirements for this examination, exemptions granted, etc., may be obtained on application to the Registrar of the Board, Dr. A. W. H. Lindsay, 241 Pleasant Street, Halifax.

Candidates must select the two foreign languages which they intend to take in the second year of the course they enter.

SENIOR MATRICULATION BY EXAMINATION.—The Senior Matriculation Examination will be held at the College on September 11th to 16th, 1907.

The details of the subjects of the Examination are as follows:—

LATIN.—For 1907:—Cicero: *In Catilinam;* Vergil: *Georgics I-IV;* Tacitus: *Agricola and Germania.*

GREEK.—For 1907:—Xenophon: *Hellenica, I-II;* Demosthenes: *Philippics, I-III.*

The papers in Latin and Greek will contain passages for translation from the books prescribed, together with grammatical and other questions arising out of those books, and short and easy passages for translation from books not prescribed. General questions in Latin and Greek Grammar will also be set, and some English sentences to be turned into Latin and Greek.

FRENCH.—Mérimée, *Colomba* (Hachette & Cie., London); Molière, *L'Avare* (D. C. Heath & Co.); de Vigny, *Cinq-Mars,* (Macmillan & Co.). Grammar and prose composition based upon the rules and vocabularies contained in Fraser and Squair's *Abridged French Grammar* (D. C. Heath & Co.).

GERMAN.—Schiller, *Wilhelm Tell;* Keller, *Kleider machen Leute* (D. C. Heath & Co.). *German Lyrics and Ballads* (Hatfield, D. C. Heath & Co.). Grammar and Composition.

ENGLISH.—*Language*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects; to be drawn from:—Macaulay: *Warren Hastings;* Shakspere: *Merchant of Venice;* Longfellow: *Evangeline;* Scott: *The Lady of the Lake.* (See note to English in Junior Matriculation).

Literature.—Eighteenth Century: Addison: *Papers Contributed to the Spectator.* Johnson, *Life of Pope* (Macaulay, *Samuel Johnson*). Dryden, *MacFlecknoe, St. Cecilia's Day, Alexander's Feast.* Pope, *Rape of the Lock.* Gray, *Elegy in a Country Churchyard.* Goldsmith, *Traveller, Deserted Village.* Burns, *Two Dogs, Cotter's Saturday Night.*

Instead of the works prescribed here in Latin, Greek, French, German and English. candidates for matriculation may offer equivalents, provided they have been previously approved by the President, who should receive notice not later than August 1st.

HISTORY AND GEOGRAPHY.—Outlines of English and Canadian History and General Geography.

ARITHMETIC AND ALGEBRA.—*Arithmetic*: As specified for the Junior Matriculation Examination.

Algebra—As in Mathematics 1: Indices. Irrational Quantities. Quantities involving $\sqrt{-1}$. Theory of Quadratic Equations. Proportion. Variation. Progressions. Permutations and Combinations. Binomial Theorem. Properties of Logarithms. Interest and Annuities. Horner's method of approximating to the roots

of an equation. Elementary theorems concerning equations, functions, limits and series. Graphical representation of functions, and plotting of loci of equations. Elements of Determinants, with applications to elimination and the solution of simultaneous equations. Partial Fractions. Probability.

GEOMETRY.—As specified for the Junior Matriculation Examination and in Mathematics 1: Euclid, Books I-IV, definitions of Book V, Books VI, XI. Propositions on Harmonic Ranges and Pencils, Poles and Polars, and Transversals. Geometry of the Sphere. Elementary propositions in the geometrical treatment of the Parabola and the Ellipse.

TRIGONOMETRY.—As in Mathematics 1: The solution of plane triangles. Measurement of heights and distances. Elementary angular analysis.

CHEMISTRY.—Elements of General Chemistry. Candidates will be expected to have a knowledge of the following: Units of mass, volume, pressure, temperature, and heat; gas laws and the correction of volumes of gases for pressure and temperature. Melting- and boiling-points; solution and crystallization. Combustion and evidence leading to its explanation; oxygen, hydrogen, water; acids, bases, salts; chemical equivalents; conservation of mass, definite, reciprocal and multiple proportions, combining (gas) volumes; atomic hypothesis; Avogadro's law; methods of determining molecular and atomic weights; calculation and meaning of formulæ; equations. Chlorine, bromine, iodine, fluorine and their compounds. Sulphur, hydrogen sulphide, oxides and oxygen acids of sulphur. Nitrogen, ammonia, nitric and nitrous acids and the oxides of nitrogen; the atmosphere, ozone, hydrogen peroxide, argon, helium. Carbon, oxides of carbon; methane, acetylene, benzene; acetic acid, alcohol, glycerine, sugar; hydrocyanic acid, carbon disulphide; coal gas; structure of flame. Valence; the periodic law; constitution of acids and bases; acid and basic salts. The occurrence, modes of preparation, properties and uses of the following elements and their *chief* compounds:—phosphorus, arsenic, antimony, bismuth; silicon, tin, lead; boron, aluminium; calcium, barium, strontium, magnesium, zinc, cadmium, mercury; sodium, potassium, copper, silver, gold; iron, nickel, cobalt; manganese; chromium. Atomic heat, Dulong and Petit's law; isomorphism, Mitscherlich's law; thermochemistry, law of Hess; dissociation; chemical equilibrium; dissociation in solution, ions; reactions in solution; electrolysis.

In the examination special importance will be attached to an acquaintance with the experimental evidence upon which the more important facts and the fundamental laws of the science are based, including, for example, the evidence for the composition of the more important compounds, as water, hydrochloric, nitric and sulphuric acids. ammonia, and the oxides of carbon and nitrogen.

Candidates in Science, Engineering or Medicine, are required to satisfy the examiner that they have done an amount of laboratory work equivalent to that prescribed in Chemistry 1A. (See Courses of Instruction).

BOTANY.—The elements of General Botany. Bessey's *Essentials of Botany* and Spotton's *High School Botany* may be taken to indicate in a general way the extent of knowledge required and the method to be pursued. The examination will be designed to test the extent to which the candidate's knowledge of the subject is founded upon practical study.

Candidates who have previously passed in one or more of the above subjects, either at the Senior Matriculation Examination or at the Junior Matriculation and First Year Examinations, shall be exempt from further examination therein.

Candidates in Engineering who pass the above examination with a sufficiently high standing, are exempt from the Modern Language, English (except the writing of themes), Mathematics and Chemistry of the first year in the Engineering courses.

All candidates for a degree who do not take Chemistry in this examination are required to take Chemistry 1, or 1 A, as one of the classes of their course.

SENIOR MATRICULATION BY CERTIFICATE.—Candidates who hold the following licenses, diplomas or certificates shall be exempted from the above examination in subjects, except Chemistry, which were included in the examinations by which such licenses, diplomas or certificates were obtained, and in which a sufficiently high standard was reached:—

*a) High School Certificate of Grade XII of Nova Scotia.

b) Honour Diplomas, as issued by the Prince of Wales College, P. E. I.

c) Grammar School Licenses of New Brunswick.

Students who enter the second year by certificate, and are found to be deficient in English Composition, may be required to take English 1 as an additional class, without fee.

Admission to Advanced Standing.

Students of other Universities may, on producing satisfactory certificates, be admitted *ad eundem statum* in this University, if they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the courses on which they propose to enter in this College, they may be required to take additional classes. In no case, however, shall a candidate admitted to advanced standing be admitted to a degree in course in this University until he has attended and passed in at least five classes or their equivalents.

Persons seeking admission to advanced standing must, in making application, submit certificates of good character and standing with duly certified statements of their Matriculation, and of the classes attended and passed with

*See foot-note, page 11. The mark required in Botany is 50 per cent.

the grades attained by them; also a calendar or calendars of the institution from which they have come of such date as to show the courses which they have followed.

A graduate of a University approved by the Senate, who has received his degree in course, may be admitted *ad eundem gradum* in this University on producing satisfactory evidence of good character and academic standing and on payment of the required fee, provided the applicant is pursuing a course of study or research in this University, or is associated with the academic work of the University, or has similar qualifications.

A graduate of another University who is a candidate for a higher degree in this University must be admitted *ad eundem gradum* before proceeding to the higher degree.

UNIVERSITY REGULATIONS.

Academic Year.

The Academic Year in all Faculties, except Engineering, consists of one session. The session of 1907-1908 in Medicine will begin on August 29th; in Law, on September 3rd; in Arts and Science, on September 10th. In Law it will end on February 28th, 1908; in Arts and Science, and Medicine, on April 30th, 1908.

In the Faculty of Engineering, the Academic Year consists of a Winter Session of the same duration as the Session in Arts and Science, and a Summer Session. The Summer Session is devoted to field work, and extends over six weeks for Mining and three weeks in Civil Engineering.

Registration.

All students of the University are required to enter their names in the Register annually, and pay the required fees before entering any class or taking any examination. After registration and payment of fees a student is given a registration certificate, on presentation of which to the professors and lecturers whose classes he proposes to attend his name is entered on the class register.

Residence.

All students are required to report their place of residence to the President on or before the day appointed in the University Almanac (October 15th).

All students not residing with relatives or friends are required to reside in approved lodging houses.

Persons who wish to take students as boarders must furnish the President with satisfactory references. A register is kept by the President, containing the names of those persons who have met this requirement; and, for the convenience of students, a list of the names and addresses of such persons will be posted on the notice-board in the College hall at the beginning of the session.

Church Attendance.

All students not residing with parents or guardians are required to report to the President on or before the day appointed in the University Almanac (October 15th) the churches which they intend to make their places of worship during the session. Intimation will be made to the various clergymen of the city of the names and addresses of the students who have chosen their respective places of worship.

Discipline.

The Senate may use all means deemed necessary for maintaining discipline. It is the duty of the Dean of the College to see that order is maintained within the buildings and on the premises of the College. Every professor or officer of the University is required to report to the Dean cases of improper conduct that may come under his notice. Students conducting themselves in an unbecoming manner on or beyond the premises of the College, during the session, may be fined, suspended, or expelled from the University.

Irregularity of attendance, except for approved reasons, or neglect of studies, shall be regarded as sufficient cause for dismissal from the University.

University Library.

The library is open during the session on every week-day, except Saturday, from 10 A. M. till 1 P. M., and 3 to 5 P. M.

Books other than those on the lists of reserved books may be taken out by instructors or students and kept for two weeks. They should then be returned to the library. Books on the reserved lists may be taken out immediately before the closing of the library on any day, and must be returned when it opens on the following day.

No more than two books may be borrowed at one time by a student not in an Honour course, nor more than four by a student taking Honours.

Students are allowed the privilege of borrowing books from the library for the period between the Spring and Autumn convocations. Students using this privilege are required to make a deposit of two dollars with the librarian. This deposit is returned when the books are replaced in the library.

Conduct of Examinations.

Candidates are forbidden to bring any book or manuscript into the examination hall except by direction of the examiner, or to give or receive assistance, or to hold any communication with one another at the examinations. If a student violate this rule he shall be excluded from the examination, and such other penalty shall be imposed as the Senate may determine.

No candidate shall be permitted to enter the examination hall after the expiry of one-half hour, or leave it before the expiry of one-half hour, from the commencement of the examination. Any candidate leaving the examination room after the distribution of the examination papers in any subject, shall not be permitted to return during the course of that examination.

All assessors are expected to attend strictly to the supervision of the examinations while they are in the hall.

Academic Costume.

Undergraduates and general students attending more than one class are entitled to wear gowns at lectures and all meetings of the University. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves, and the black trencher with tassel.

Graduates of the University shall be entitled to wear gowns of black stuff, and hoods. The distinctive part of the costume is the hood. The following are the kinds of hoods appointed for the various degrees:—

B. A.—Black stuff lined with white silk and bordered with white fur.

M. A.—Black stuff lined with crimson silk.

B. Sc.—Black stuff lined with white silk and bordered with scarlet silk.

M. Sc.—Black stuff lined with scarlet silk.

B. E.—Black stuff lined with white silk and bordered with dark green silk.

B. MUS.—Black stuff lined with white silk and bordered with lavender silk.

LL. B.—Black stuff lined with white silk and bordered with gold coloured silk.

M. D.—Black stuff lined with scarlet silk and bordered with white silk.

LL. D.—Black silk lined with purple silk.

Doctors of Law shall be entitled to wear gowns of black silk.

Conferring of Degrees.

Successful candidates for degrees are required to appear at Convocation in the proper academic costume to have the degrees conferred upon them.

By special permission of the Senate degrees may be conferred *in absentia*.

Faculty of Arts and Science.

THE PRESIDENT.

A. MACMECHAN, Ph. D.
W. C. MURRAY, M. A., LL. D.
H. MURRAY, B. A.
E. MACKAY, Ph. D.
D. A MURRAY, Ph. D.
J. E. WOODMAN, A. M., S. D.
A. S. MACKENZIE, Ph. D.
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S. A. MORTON, M. A.
ALEXANDER MCKAY, ESQ.
J. W. LOGAN, B. A.
W. T. KENNEDY, ESQ.
R. A. FALCONER, M. A., D. LITT.
R. MAGILL, M. A., Ph. D.
W. K. BUTLER, M. A.
JAMES CARRUTHERS.
W. D. TAIT, M. A.

Secretary of the Faculty: PROFESSOR D. A. MURRAY.

Correspondence should be addressed:

The Secretary, Faculty of Arts and Science,
Dalhousie College, Halifax, N. S.

COURSES FOR DEGREES.

Courses are prescribed leading to the degrees of Bachelor of Arts (B. A.), Master of Arts (M. A.), Bachelor of Science (B. Sc.), Master of Science (M. Sc.), and Bachelor of Music (B. Mus.).

The course for the degree of Bachelor of Arts extends over four years. Candidates for the degree may either follow the ordinary course or, if they have obtained a sufficiently high standing in the work of the first two years, may then enter upon an Honour course. Bachelors of Arts of at least one year's standing, on submitting a satisfactory thesis, or completing an approved course of study, may be admitted to the degree of Master of Arts.

The course for the degree of Bachelor of Science also extends over four years. Honour courses in Science are open to candidates who have completed the work of the first two years with sufficient credit. Bachelors of Science of at least one year's standing who have completed after graduating an approved course of scientific study, or an approved thesis embodying a scientific research, may be admitted to the degree of Master of Science.

The course of study for the degree of Bachelor of Music extends over three years.

Students who have passed the Senior Matriculation may complete the course for the degree of Bachelor of Arts or Bachelor of Science in three instead of four years.

Ordinary Course for Bachelor of Arts.

The ordinary course of study prescribed for the degree of Bachelor of Arts consists of the following classes:—

(i) Three classes in either Latin or Greek.

(ii) Two classes in one of the following languages: the classical language not selected as subject (i) or French, or German.

(iii) Two classes in English.

(iv) One class in each of the following: Elocution, History, Philosophy, Mathematics, Physics, Chemistry.

(v) Eight* single classes, or equivalents, so selected from the subjects in the following groups that not less than one shall be taken from each of the groups A. and B., and not more than five from any one group:—

A.—Latin, Greek, New Testament Greek, Hebrew, French, German, English, Biblical Literature.

B.—History, Constitutional History, Constitutional Law, Political Economy, Philosophy, Education.

C.—Mathematics, Astronomy, Physics. Chemistry, Geology, Mineralogy, Biology.

The details of subjects studied in the above classes will be found under Courses of Instruction.

Choice of Elective Classes.

In choosing their elective classes undergraduates, and general students who wish to appear at the Christmas and Spring examinations, should select classes whose examination hours do not conflict.

The first class in Latin, Greek, French or German, is not recognized as part of a course for a degree unless the second class is subsequently taken.

An advanced or Honour class may be taken as an elective by students who are not in an Honour course, if approved by the Faculty.

Lists of the elective classes chosen by students must be submitted for approval not later than Friday, September 27th, 1907.

*A "single" class is one in which two or three lectures a week are given, a "double" class one in which the number of lectures is four or five a week. One double class is regarded as equivalent to two single classes, provided a double fee is paid.

Affiliated Courses.

An undergraduate looking forward to the study of Divinity, Law, or Medicine, may offer one of the following groups in place of three of the electives required from groups A, B and C above:—

For Divinity: D.—Hebrew, New Testament Greek, one being a double class.

For Law: E.—Constitutional History, Constitutional Law, Contracts.

For Medicine: F.—Biology, Histology, Physiology.

An undergraduate who selects one of these groups must then select from groups A, B and C above the remaining five electives required, so that of the eight electives chosen at least one shall be taken from each of the groups A and B, and not more than five from either A, B or C.

Undergraduates who have passed in the classes of group E may complete a subsequent Law course in this University in two years. Students registered as undergraduates in Medicine, whose course in Arts has included Chemistry 1 and Physics 1 in addition to group F, and who have passed in Junior Anatomy and Practical Anatomy as additional subjects, may afterwards take a degree in Medicine in this University in three years; and if their Arts course also includes Chemistry 3, and they take Senior Anatomy as additional work, they may subsequently take the degree in Medicine in two years. Undergraduates who look forward to the study of Engineering may shorten a subsequent Engineering course by including in their Arts course as many as possible of the classes common to it and the Engineering course they have in view.

Order of Classes.

The classes of a course may be taken in any order subject to the regulations regarding Order of Classes (page 39). The following schedule in which the classes are arranged in years shows the order recommended; and it is upon this arrangement that the time tables of lectures and examinations are based:—

First Year.

1. Latin 1, or Greek 1.

2. The classical language not selected as subject 1, *or* French, *or* German. (The candidate must pass the Matriculation Examination in the foreign language selected).

3. English and *Elocution.

4. Mathematics 1.

5. Chemistry 1.

Second Year.

1. The language selected as subject 1 in the First Year.

2. The language selected as subject 2 in the First Year.

3. English 2.

4–5. Any two of the following:—Mathematics 2, Chemistry 2, Physics 1, Philosophy 1, Geology 1, a language not selected as subject 1 or 2.

If the classes in Physics and Philosophy are not taken in this year, they must be taken in a subsequent year.

Third and Fourth Years.

1. Latin 3, or Greek 3, or New Testament Greek. The language selected must have been taken during the First and Second Years.

2. History 1.

3–10. Eight classes selected from the subjects in the following groups, so that not more than five shall be taken from any one group, and at least one from each of the groups A and B:—

A	B	C
Latin,	History,	Mathematics,
Greek,	Constitutional History,	Astronomy,
Hebrew,	Constitutional Law,	Physics,
French,	Political Economy,	Chemistry,
German,	Philosophy,	Geology,
English,	Education.	Mineralogy,
Biblical Literature.		Biology.

Or, one of the following groups, together with five classes from groups A, B and C, selected in accordance with the conditions stated under Affiliated Courses.

D	E	F
Hebrew,	Constitutional History,	Biology,
N. T. Greek.	Constitutional Law,	Histology,
	Contracts.	Physiology.

*Students who matriculate into the Second Year must take Elocution with English 2 if they have not previously taken it.

Ordinary Course for Bachelor of Science.

The ordinary course of study prescribed for the degree of Bachelor of Science consists of the following classes:—

(i) Three in German or French.

(ii) Two in each of the following: English, French or German.

(iii) One in each of the following: Elocution, Mathematics, Physics, Chemistry, Drawing.

(iv) *Either* one class in Geology or Philosophy, *or* a second class in Mathematics or Chemistry.

(v) Nine* single classes, or equivalents, so selected from the following groups that at least one class shall be chosen from each group and not more than four from groups B and C taken together:—

A.—Mathematics, Physics, Chemistry, Geology, Mineralogy, Biology, Anatomy, Histology, Physiology.

B.—Philosophy, Education, Political Economy.

C.—English, French, German.

The details of subjects studied in the above classes will be found under Courses of Instruction.

In choosing their elective classes students should have regard to the restrictions stated under Choice of Elective Classes in the course for the degree of Bachelor of Arts (page 20).

Lists of the elective classes chosen must be submitted for approval not later than Friday, September 27th, 1907.

Affiliated Courses.

Undergraduates who look forward to the study of Engineering may complete a course in Civil or Mining Engineering in this University in two years after the completion of the Science course, provided they so select the classes of their Science course as to include a sufficient number of the classes common to it and the Engineering course they have in view.

Students who have registered as undergraduates in Medicine may complete their course in Medicine in three years after the completion of their Science course by taking the following classes as part of their course: Physics 1,

*See foot-note page 20.

Chemistry 1, Biology (Botany and Zoology), Junior Anatomy and Practical Anatomy. Such students are recommended to take the class in Histology also, in order to avoid conflict of hours in the time table of their subsequent course in Medicine.

Students registered as undergraduates in Medicine whose course in Science has included Chemistry 3, Histology and Physiology, in addition to the classes in Physics, Chemistry, Biology and Anatomy specified above, and who take Senior Anatomy (in the Faculty of Medicine) as an additional subject, may complete their course in Medicine in two years after completing the Science course.

Order of Classes.

The classes of the above course may be taken in any order subject to the regulations regarding Order of Classes (page 39). The following schedule in which the classes are arranged in years shows the order in which it is recommended that they be taken. The time-table of lectures and the dates of examinations are based upon this arrangement.

First Year.

1. *French, *or* German.
2. *The modern language not selected as subject 1.
3. English 1 and †Elocution.
4. Mathematics 1.
5. Chemistry 1A.
6. Drawing 1, *or* Freehand Drawing.

Second Year.

1. French.
2. German.
3. English 2.
4. Physics 1.
5. Mathematics 2, *or* Chemistry 2, 3, or 4, *or* Geology 1 or 2, *or* Philosophy 1.

*Students who have selected French as one of the languages for Matriculation must take French 2, and those who have selected German must take German 2.

†See foot-note, page 22.

Third and Fourth Years.

French *or* German.

2–10. Nine single classes, or their equivalents, selected from the subjects in the following groups, so that at least one class shall be chosen from each group, and not more than four from groups B and C taken together:—

A		B	C
Mathematics,	Biology,	Philosophy,	English,
Physics,	Astronomy,	Education,	French,
Chemistry,	Anatomy,	Political Economy,	German,
Geology,	Histology,		
Mineralogy,	Physiology,		

Honour Courses.

An undergraduate who has completed the work recommended for the first and second years of the ordinary Arts or Science course with sufficient credit is allowed to restrict his attention during his third and fourth years to a more limited range of subjects than that prescribed for the ordinary course, by entering an Honour course. For admission to an Honour course an undergraduate must obtain the permission of the Faculty, which will, in ordinary circumstances, only be granted to students who have attained a first-class standing in those clases of the second year corresponding to the subjects of the Honour course selected, as well as a satisfactory standing in the other classes recommended for that year.

Honour courses are provided in the following departments:—(i) Classics, (ii) Latin and English, (iii) Greek and English, (iv) English and German, (v) English and English History, (vi) Philosophy. (vii) Pure and Applied Mathematics, (viii) Mathematics and Physics, (ix) Chemistry and Chemical Physics, (x) Geology. Undergraduates in Arts may enter any of these courses for which they are eligible. Undergraduates in Science may enter any of the last five courses for which they are eligible, namely, Philosophy, Pure and Applied Mathematics, Mathematics and Physics, Chemistry and Chemical Physics, and Geology.

An undergraduate who enters upon an Honour course in any of the above departments must take the advanced classes in the department chosen and certain other classes specified below in the requirements for the individual courses, and is required to make satisfactory progress in these classes. He may select the remaining classes of his

course, if he is an undergraduate in Arts, from any of the subjects named in groups A to C of the ordinary course in Arts, and if an undergraduate in Science, from any of the subjects in groups A to C of the ordinary course in Science, the choice in each case being subject to the approval of the Faculty.

The examinations in the subjects of an Honour course are held at the end of the last year of the course.

I. CLASSICS.

Undergraduates taking the Honour course in Classics are required to take the ordinary and advanced classes of the third and fourth years in Latin and Greek and in addition two elective classes. They shall be examined in the following subjects:—

LATIN.

I. Candidates will be required to have a critical knowledge of the following works, in addition to those prescribed in the ordinary course:—

Plautus: *Captivi, Miles Gloriosus.*
Terence: *Adelphi, Phormio.*
Vergil: *Georgics*, I, IV.
Horace: *Epistles*, I, II; *Ars Poetica.*
Juvenal: *Satires*, I, VII, VIII, XIV.
Cicero: *De Oratore*, I; *Philippics*, I, II; *Pro Cluentio.*
Livy: XXI, XXII.
Tacitus: *Annals*, I, II; *Agricola.*
Pliny: *Letters*, I-III.

II. COMPOSITION.—Translation from English into Latin prose.

III. LITERATURE.—A general knowledge of the history of Latin literature, with a more minute knowledge of the lives and writings of the authors prescribed. (Mackail, *Latin Literature*, Cruttwell, *History of Roman Literature*).

IV. PHILOLOGY.—Victor Henry, *Comparative Grammar of Greek and Latin.*

GREEK.

I. Aeschylus: *Eumenides, Prometheus Vinctus.*
Sophocles: *Antigone, Electra.*
Aristophanes: *Frogs, Knights.*
Homer: *Odyssey*, V-VIII.
Thucydides: II, III.
Plato: *Republic*, I-IV.
Demosthenes: *De Corona.*
Aristotle: *Poetics.*

II. COMPOSITION.—Translation from English into Greek prose.

LITERATURE.—A general knowledge of the history of Greek literature, with a more minute knowledge of the lives and writ-

ings of the authors prescribed. (Jebb, *Primer of Greek Literature;* Jebb, *Introduction to Homer;* Mahaffy, *History of Greek Literature;* Haigh, *Attic Theatre*).

IV. PHILOLOGY.—Victor Henry, *Comparative Grammar of Greek and Latin.*

II. LATIN AND ENGLISH.

Undergraduates taking the Honour course in Latin and English are required to take the ordinary and advanced classes of the third and fourth years in Latin and English and in addition two elective classes. They shall be examined in the following subjects:—

LATIN.

The Latin subjects prescribed for the Honour course in Classics.

ENGLISH.

The historical development of the language and literature to the year 1300. Bright, *Anglo-Saxon Reader.* Sievers, *O. E. Grammar* (trans. by Cook), Pt. II. Morris, *Specimens of Early English,* I. Emerson, *History of the English Language.* Sight reading of Old English.

History of the Elizabethan and Early Stuart Literature—Sidney, *Apologie for Poetrie.* Hooker, *Ecclesiastical Polity,* Book I. Bacon, *Advancement of Learning, Essays.*

Marlowe, *Tamburlaine, Edward II, The Jew of Malta.* Greene, *Friar Bacon and Friar Bungay.* Jonson. *The Alchemist, Every Man in His Humor.* Beaumont and Fletcher, *Philaster, The Knight of the Burning Pestle.* Massinger, *A New Way to Pay Old Debts.* Webster, *The Duchess of Malfi.* Shakspere, *Titus Andronicus, Romeo and Juliet, Julius Caesar, Hamlet, Othello, Lear, Macbeth, Antony and Cleopatra, Coriolanus, Timon, The Two Noble Kinsmen.*

BOOKS RECOMMENDED: Sidney, Cook's edition (Ginn & Co.), Hooker, Church (Clarendon Press); Bacon, *Advancement;* Wright (Clar. Press); *Essays* (Wright, G. T. Series). History of Literature; Ten Brink, Saintsbury, Brooke, (Clarendon Press), 'Mermaid,' "Temple Dramatists," "Belles Letters," and Arber editions of Elizabethan works.

In awarding Honours, the thesis for Distinction in English 4 (D) will be taken into consideration.

III. GREEK AND ENGLISH.

Undergraduates taking the Honour course in Greek and English are required to take the ordinary and advanced classes of the third and fourth years in Greek and English, and in addition two elective classes. They shall be examined in the following subjects:—

GREEK.

The Greek subjects prescribed for the Honour course in Classics.

ENGLISH.

The English subjects prescribed for the Honour course in Latin and English.

IV. ENGLISH AND GERMAN.

Undergraduates taking the Honour course in English and German must have taken German in the first and second years of their course, and are required to take the ordinary and advanced classes of the third and fourth years in English and German and, in addition, two elective classes. They shall be examined in the following subjects:—

ENGLISH.

The English subjects prescribed for the Honour course in Latin and English.

GERMAN.

Middle High German; Grammar (Wright, *Middle High German Primer*); Selections from Hartmann von Aue, Walther von der Vogelweide, Nibelungenlied, Gudrud, Wolfram von Eschenbach, Freidank, or Gottfried von Strassburg, Sebastian Brant, (Wackernagels *Kleineres Altdeutsches Lesebuch*).

Selections from Swiss and Plattdeutsch dialect literature.

German Literature of the 16th, 17th and 18th centuries, with selections from authors of that period.

Two of the chief literary works of Gœthe not read in the ordinary course.

Translations of unspecified passages from any modern High German author.

Prose Composition.

V. ENGLISH AND ENGLISH HISTORY

Undergraduates taking the Honour course in English and English History are required to take the ordinary and advanced classes of the third and fourth years in English, and History 1, 2 and 3, and in addition three elective classes. They shall be examined in the following subjects:—

ENGLISH.

The English subjects prescribed for the Honour course in Latin and English.

ENGLISH HISTORY.

English History from A. D. 1603-1689.

BOOKS RECOMMENDED: Green, *History of the English People*, Vol. 3; Lingard, *History of England*, Vols. 8-10; Hallam *Constitutional History of England*; Ranke, *History of England*; S. R. Gardner's works on this period; Clarendon, *History of the Great Rebellion*; Masson *Life of Milton*; Carlyle *Life of Cromwell*; Foster, *Life of Eliot*; Bayne, *Chief Actors in the Puritan Revolution.*

VI. PHILOSOPHY.

Undergraduates taking the Honour course in Philosophy are required in the third and fourth years of their course to take the ordinary and advanced classes in Philosophy, and in addition a sufficient number of electives to make ten classes in all. They are recommended to take German. They shall be examined in the following subjects:—

I. General History of Philosophy.
Burnet: *Early Greek Philosophy.*
K. Fischer: *Descartes and his School.*

II. Greek Philosophy from the Sophists to Aristotle.
Plato: *Republic* (with Nettleship's Lectures).
Theaetetus (with Dyde's Introduction).
Aristotle: *Metaphysics*, Book I.
Ethics (with Muirhead's Introduction).

III. Modern Philosophy from Locke to Kant.
Fraser: *Prolegomena to Locke.*
Seth: *Scottish Philosophy.*
Royce: *Modern Philosophy*, Part I.

A knowledge of Locke, Berkeley, Hume and Reid, as studied in the Class on Modern Philosophy is presupposed.

IV. Kant: *The Critiques of Pure Reason, of Practical Reason and of Judgment* (as in Watson's Selections).
Hegel: *Logic.* Chaps. I-VI. (Wallace's Translation).
Seth: *Hegelianism and Personality.*

V. Any *three* of the following:
1. Principles of Logic. Bosanquet: *Logic.*
2. Principles of psychology. James: *Principles of Psychology.*
3. Principles of Ethics. Green: *Prolegomena to Ethics;* Gibson: *Philosophical Introduction to Ethics.*
4. Principles of Metaphysics. Taylor: *Metaphysics.*
5. Philosophy of Religion. Caird, E.: *Evolution of Religion;* Lotze: *Philosophy of Religion.*

VI. Any *one* of the following:
1. History of Philosophy from Descartes to Leibnitz; Descartes: *Method, Meditation and Principles;* Spinoza: *Ethics;* Caird: *Cartesianism;* Pollock: *Spinoza;* Joachim: *Ethics of Spinoza;* Leibnitz: *Monadology* (with Latta's Introduction).
2. History of Philosophy from Kant to Hegel. Hegel: *Logic* (Wallace's Translation); Seth: *Hegelianism and Personality*, and *From Kant to Hegel;* McTaggart; *Studies in Hegelian Dialectic and Cosmology.*

3. History of Philosophy from Hume to Spencer. Comte: *Positive Philosophy;* Mill: as in *Watson's Selections;* Spencer: *First Principles;* Mill: *Comte and Positivism;* Douglas: *John Stuart Mill;* Watson: *An Outline of Philosophy;* Stephen: *English Utilitarians.*
4. History of Ethics in Great Britain. Selby-Bigge: *British Moralists.* Douglas: *Ethics of Mill;* Spencer: *Data of Ethics;* Green: *Prolegomena to Ethics.* Sidgwick: *History of Ethics,* Ch. IV. Watson: *Hedonistic Theories,* Chaps. IV-XI. Sorley: *Ethics of Naturalism.* Courtney: *Constructive Ethics,* Pt II, Bk. I; Schurman: *Ethical Import of Darwinism;* Albee: *Utilitarianism;* Sidgwick: *Martineau, Spencer and Green.*

VII. PURE AND APPLIED MATHEMATICS.

Undergraduates taking the Honour course in Pure and Applied Mathematics are recommended to take French or German in their first and second years, and Physics 1 in their second year. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years four Advanced classes in Mathematics, Physics, 2, 3 and 4, and three electives. The standard of attainment shown in the examinations in Physics 2 and 3 in both years will be considered in estimating the results of the final examinations of the Honour course.

The subjects of examination shall be as follows:—

Pure Mathematics.

Any four of the following:—

(*a*) Infinitesimal Calculus; (*b*) Plane and Solid Analytic Geometry; (*c*) Differential Equations; (*d*) Algebra (Determinants, Theory of Equations, Quantics, Invariants, Series, Functions of a real variable); (*e*) Projective Geometry.

Applied Mathematics.

Kinematics and Dynamics of Particles, rigid bodies, flexible strings, elastic solids and fluids,—those portions of these subjects which are treated in Physics 4 or may be appointed for private reading in the course of the work of that class, the mode of treatment being by application of Analytical Geometry and the Differential and Integral Calculus.

VIII. MATHEMATICS AND PHYSICS

Undergraduates taking the Honour course in Mathematics and Physics are recommended to take French or German in their first and second years and Mathematics 2 and Physics 1 in their second year. They are required, if they wish to complete the work for a degree in four years,

to take in their third year one Advanced class in Mathematics, Physics 2 or 3, Physics 6, and Chemistry 2; and in their fourth year one Advanced class in Mathematics, Physics 3 or 2, and Physics 4, 5, 7 and 8. The standard of attainment shown in the examinations in Physics 2 and 3 in both years will be considered in estimating the results of the final examinations of the Honour course.

Those who aim at High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to exhibit a high standard of excellence in the more mathematical parts of the course.

The subjects of examination shall be as follows:—

1. MATHEMATICS.—Analytic Geometry, Calculus and Spherical Trigonometry as in Mathematics 2, and any two of the advanced courses in Pure Mathematics.

2. APPLIED MATHEMATICS.—As outlined in the Honour course in Pure and Applied Mathematics.

3. GENERAL PHYSICS.—A systematic general knowledge of all sections of the subject, as, *e. g.*, in Watson's *Text-book of Physics* (Longmans & Co.) with a more detailed knowledge of special sections illustrating the use of theory in research, such as the kinetic theory of gases, the theory of solutions and of electrolysis, and the wave theory of light. These requirements are based on the courses called Physics 2, 3 and 5.

4. EXPERIMENTAL METHODS.—A general acquaintance with the methods applicable in different classes of investigation, as in Glazebrook and Shaw's *Practical Physics* (Longmans, Green & Co.), and Ostwald's *Physico-Chemical Measurements* (Macmillan & Co.)—The experimental methods of the following memoirs:—Joule's papers on the determination of the Mechanical Equivalent of Heat, contained in his *Scientific Papers* (Taylor & Francis), vol. I, pp. 123, 172, 298, 542, 632; Faraday's *Experimental Researches in Electricity* (Quaritch), vol. I, Series iii, iv, v, vi, vii; Lord Kelvin's papers on the Electrodynamic Qualities of Metals, in his *Mathematical and Physical Papers* Vol. II, (Camb. Univ. Press). The treatment of observations and the discussion of the accuracy of experimental results, as in Holman's *Precision of Measurements* (John Wiley & Sons) supplemented by the more purely physical chapters of Merriman's *Text-book of Least Squares* (J. Wiley & Sons).

IX. CHEMISTRY AND CHEMICAL PHYSICS.

Undergraduates taking the Honour course in Chemistry and Chemical Physics are recommended to select German as one of the subjects of their first and second years. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years the following classes:—Mathematics 2, Physics 2, 3, 5 and 6, Chemistry 5, 6, 7 and 8, and two electives.

Candidates for High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to show special attainments in some branch of laboratory work, as the preparation of organic compounds, or the analysis of iron and steel, of ores, or of water. In estimating the results in the final examination of the Honour course, the standard of attainment shown in the following Physics and Chemistry classes will be considered:—Physics 2, 3 and 6, and Chemistry 7 and 8.

Candidates shall be examined on the following subjects:—

1. GENERAL CHEMISTRY.—The principles of Chemistry as in Ostwald's *Principles of Inorganic Chemistry*, translated by Findlay (Macmillan & Co).

2. ORGANIC CHEMISTRY.—The occurrence, general modes of formation, physical properties, behaviour and constitution of the principal compounds of carbon as in Bernthsen's *Organic Chemistry*, translated by McGowan (Blackie & Son, Van Nostrand); and some present day problems of Organic Chemistry as in Lachman's *Spirit of Organic Chemistry* (The Macmillan Co.).

3. HISTORY OF CHEMISTRY.—Outlines of the history of Chemistry. Candidates will be expected to have an acquaintance with the following: Tilden, *Short History of the Progress of Scientific Chemistry* (Longmans, Green & Co.); Schorlemmer, *Rise and Development of Organic Chemistry* (Macmillan & Co.); Roscoe, *Dalton and the Rise of Modern Chemistry* (Macmillan & Co.); Shenstone, *Justus von Liebig* (Macmillan & Co.); the essays on Boyle, Priestley, Scheele, Cavendish, Lavoisier, Graham and Woehler in Thorpe's *Essays in Historical Chemistry* (Macmillan & Co.). Candidates will also be expected to have read the following memoirs: Graham, *Researches on the Arseniates, Phosphates, and Modifications of Phosphoric Acid*, Alembic Club Reprints, No. 10 (W. F. Clay); Liebig and Woehler, *Ueber das Radikal der Benzoesaure* (Ostwalds *Klassiker*, No. 22); Liebig, *Ueber die Constitution der organischen Sauren* (Ostwalds *Klassiker*, No. 26).

4. LABORATORY METHODS.—The principles and methods of qualitative and quantitative analysis and the practical details of laboratory operations as in Talbot, *Quantitative Analysis* (The Macmillan Co.), Ostwald, *Foundations of Analytical Chemistry* (Macmillan & Co.), and in typical exercises selected from Cohen's *Practical Organic Chemistry for Advanced Students*. Gatterman's *Practical Methods of Organic Chemistry*, translated by Schober, and Lengfeld's *Inorganic Chemical Preparations* (The Macmillan Co.).

The above requirements in Chemistry are in large part based on the work of the classes known as Chemistry 5, 6, 7 and 8.

5. CHEMICAL PHYSICS.—Those sections of Physics which have an intimate bearing upon chemical research, viz., the properties of gases and liquids, including the kinetic theory of gases and the theory of solutions, the theory of heat, electrolysis, and the wave theory of light.—Physical experimental methods which are appli-

cable in chemical research, as in Ostwald's *Physico-Chemical Measurements*, (Macmillan & Co.)—The discussion of the degree of accuracy of experimental results, as in Holman's *Precision of Measurements* (J. Wiley & Sons).

A large part of the requirements in Chemical Physics is based on the work of the classes known as Physics 2, 3 and 5.

X. GEOLOGY.

Undergraduates taking the Honour course in Geology are recommended to take Geology 1, and Physics 1, in the second year, and German during the first two years. In the third year, candidates are required to take Mineralogy 1, and Geology 2. In the third and fourth years they should take, in addition to the required courses in Geology, Biology, Mathematics 1, Chemistry 2, Chemistry 7, and Physics 2, or such of these classes as have not been previously taken. In the fourth year, special lines of study will be taken up with the instructor in the Research course, equivalent in amount to at least two courses, and involving original field work, reading, and one or more theses. In addition, there will be needed extra reading for the final examinations, along such of the lines mentioned below as are not taken up in classes or conference.

In determining Honours at the end of the Honour course, weight will be given, not only to the final examination, but to the records of the various courses, and to the maturity of thought and method shown during the four years' work.

The subjects of the final examinations shall be as follows:—

1. A sight translation of a portion of some geological memoir in German, and one in French.

2. The History of Geology. Books recommended:—Lyell, Sir C, *Principles of Geology*, 11th ed., vol. I, chapters 1 and 2; Geikie, Sir A,, *The Founders of Geology;* Zittel, K. von, *History of Geology and Paleontology;* White, A. D., *A History of the Warfare of Science with Theology in Christendom*, vol. I, especially chapter 5. Some of the original papers read in connection with other topics may be available also for this.

3. Advanced structural and dynamical Geology, and the Geology of Canada, including both reading and field work done in various courses.

4. Economic Geology, metallic and non-metallic; including (*a*) theories of the formation of coal and petroleum, (*b*) genesis of veins and vein ores, (*c*) the economic geology of some region studied especially in the course.

5. Special topics of the fourth year. This will be in part an oral exposition and defence of a thesis, given at the last seminary conference of the term.

Degrees with Distinction.

The degree of Bachelor of Arts or Science with Distinction will be conferred on undergraduates for special excellence shown in the classes recommended to be taken in the second, third and fourth years of the ordinary course. The award of such degrees is based upon the Class Distinctions (page 38) gained by candidates; and not only are the number and grade of such Distinctions considered , but also the extent and character of the work by which they have been gained. Distinctions gained in recognized classes of other Faculties of the University are taken into consideration, but not those gained in other colleges, though such classes may be recognized for the degree.

Candidates for Distinction are advised to consult the Faculty at the beginning of the third and fourth years with respect to the selection of classes.

Degrees with Honours.

The Bachelor of Arts or Bachelor of Science degree with Honours in any one or more of the departments of study in which Honour courses are provided, will be conferred on undergraduates for special excellence shown in the subjects of such courses.

A candidate for Honours may defer his examination in the subjects of his course until a year after he has passed the examinations in the ordinary subjects of the fourth year; in which case, however, such candidate shall not be entitled to his degree until he has passed the examination of such Honour course.

Successful candidates will be declared to have obtained their degrees With Honours, With High Honours, or With High Honours and a Medal.

Degree of Master of Arts.

The degree of Master of Arts will be conferred on a Bachelor of Arts of this University of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research in some literary, philosophical or scientific subject, or on his passing an examination in a course of study, appointed or approved by the Faculty, of at least the extent represented by the academic work of one year of the Arts course. In the latter case, no fixed courses of study are laid down, the intention being to encourage

graduates to prosecute advanced courses of study either at this or at any other College, or by private reading, and to adapt the courses to their individual tastes and capacities. But no course of study shall be approved unless it is confined either to one department of study or to closely related departments.

Theses must be sent to the Secretary of the Faculty on or before the first day of March. Examinations shall be held ordinarily at the time of the Spring Examinations; but in special circumstances, they may be held in Autumn. Candidates must give one month's notice of their intention to appear for examination. On transmitting the thesis, or on giving notice of intention to appear for examination, a fee of five dollars is to be paid.

Degree of Master of Science.

The degree of Master of Science may be conferred on a Bachelor of Science of at least one years' standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research in some department of pure or applied science, or on his passing an examination in a course of scientific study, appointed or approved by the Faculty, of about the extent represented by the academic work of one year of the Science course. In the latter case no fixed courses of study are laid down, the intention being to encourage graudates to prosecute advanced courses of study, either at this or at any other College, or by private reading, and to adapt the courses to their individual tastes and capacities; but no course of study shall be approved unless it is confined either to one department of science, or to closely related departments.

Theses must be sent to the Secretary of the Faculty on or before the first day of March. Examinations shall be held ordinarily at the time of the Spring Examinations; but in special circumstances they may be held in the Autumn. Candidates must give one month's notice of their intention to appear for examination. On transmitting the thesis, or on giving notice of intention to appear for examination, a fee of five dollars is to be paid.

Degree of Bachelor of Music.

The course of study for the degree of Bachelor of Music may be completed in three years, and includes, besides Acoustics (Physics 1), the following subjects:—English, Harmony, Counterpoint, Canon and Fugue, Form, and History of Music, for two years in each case; Instrumentation and Analysis of Scores, for one year.

Candidates are required to pass in French and German in the Junior Matriculation Examination, and to satisfy the examiners before proceeding to the final examination for the degree that they have a good reading knowledge of these languages.

Besides attending the courses of instruction in the above subjects given in this University or in recognized institutions, performing the required class exercises and passing the examinations, candidates are also required to compose the exercises specified below, and to give evidence of their ability as musical performers by playing before one or more of the examiners, on the pianoforte or organ, the pieces of music named below.

SCHEDULE OF CLASSES.

The classes in the above subjects may, if desired, be extended over more than three years. Students are recommended to take them in the following order:—

First Year.

1. Harmony in not more than four parts.
2. History of music from 1600 to 1750.
3. Acoustics in so far as concerned with the Theory of Music (given in Physics 1).
4. English 1.

Second Year.

1. Harmony in not more than five parts.
2. Simple counterpoint in two or three parts.
3. Canon in two parts, Imitation and Fugue in not more than three parts.
4. Form: Elementary Forms, Phrases, Periods, Open and Closed Forms.
5. Elements of Instrumentation.
6. History of music from 1750 to the present time.
7. English 2.

Third Year.

1. Single and Double Counterpoint in not more than five parts.
2. Strict and Free Fugue in not more than five parts.
3. Form: Binary Form, Ternary Form, Rondo and Sonata.
4. Analysis of certain prescribed scores.

EXERCISES.

The following exercises are to be composed by the candidate: (*a*) A solo song with pianoforte accompaniment; (*b*) a four part vocal composition; (*c*) an instrumental composition (other than a dance) for pianoforte, organ, or other stringed or wind instruments, with pianoforte accompaniment.

PRACTICE OF MUSIC.

The final examination in the Practice of Music shall include one of the following groups:—

FOR THE PIANOFORTE.

Prelude and Fugue in E minor ..... *Mendelssohn.*
C major Sonata (Waldstein) ..... *Beethoven.*
A ♭ major Polonaise ..... *Chopin.*
D ♭ major Nocturne ..... *Chopin.*
Concert-Etude No. 1 (Waldesrauschen) ..... *Liszt.*
Rhapsodie No. 12 ..... *Liszt.*

FOR THE ORGAN.

Prelude and Fugue in E major ..... *Bach.*
Sonata in D minor (solo form) ..... *Merkel.*
Air with Variations and Fugato in A ..... *Smart.*
Third Organ Sonata ..... *Mendelssohn.*

Certificate in Teaching.

This Certificate will be granted to candidates on the following conditions:

1. They must have received the degree of Bachelor of Arts or Science from this or some recognized University before the Certificate is granted. Candidates, however, may have qualified for the certificate before attaining to the Bachelor's degree.

2. They must have spent, at least, 100 hours in observation and practice under approved supervision, and must have taught two or more lessons in a manner satisfactory to Examiners appointed or approved by this University.

3. They are required to attend the courses in the Science, History and Practice of Education given in this University. Candidates, however, who have taught and whose work has been favorably reported upon by a recognized authority, or who have taken a course in a Normal School, will not be required to take a course in Practice. Such candidates may be exempted from the second requirement mentioned above.

4. They must pass examinations in the following:—

James: *Talks to Teachers.*
King: *Development of the Child.*
Fitch: *Lectures on Teaching.*
Adams: *Primer on Teaching.*
Bagley: *The Educative Process.*
Laurie: *Language and Linguistic Method.*
Landon: *Principles and Practice of Teaching and School Management.*
Adams: *Herbartian Psychology.*
Plato: *Republic*, as in Bosanquet's Selections.
Burnet: *Aristotle on Education.*
Ascham: *Schoolmaster.*
Milton: *Tractate on Education.*
Locke: *Thoughts on Education.*
Spencer: *Education.*
Thring: *Theory and Practice of Teaching.*
Quick: *Educational Reformers.*
Laurie: *Educational Opinion since the Renaissance.*
Russell: *German Secondary Schools.*
School Systems in Canada and United States.

Candidates may, however, be exempted from such parts of the above examination as are included in the class examinations passed by them.

General Regulations for Degrees.

Matriculation.

Candidates for a degree must pass the Junior or Senior Matriculation (pp. 9-14), and they are recommended to do so before entering upon a course of study leading to a degree. A candidate is in all cases expected to have completed his Matriculation before entering the classes proper to the *third year of his course; and failure to do so may involve the non-recognition of classes subsequently taken. Degrees are not conferred until at least two Academic years have elapsed from the date of completion of Matriculation.

Attendance.

Candidates for a degree or certificate are required to attend the classes of their prescribed course regularly and punctually. Attendance is recorded in each class immediately before the work of the class is begun, and the record

*For the purpose of this regulation, attendance on five single classes or equivalents shall be regarded as constituting a year of attendance.

is not amended in the case of students entering thereafter unless satisfactory reasons are assigned. A student's attendance on a given class is not under ordinary circumstances regarded as regular, unless he has attended at least nine-tenths of the lectures or other meetings of the class.

A student whose attendance on any class is irregular may be excluded from the Christmas and Spring examinations in that class, and in such case his attendance is not recognized as qualifying for a degree.

Class-Work.

Candidates, in order that their class-work may be recognized as qualifying for a degree or certificate, must conform to the following requirements:—

I. They must appear at all examinations, prepare such essays, exercises, reports, etc., as may be prescribed, and in the case of a class involving field or laboratory work, complete such work satisfactorily. Failure to meet these requirements in any class may involve exclusion from the Christmas and Spring examinations in that class.

2. They must secure positions on the Pass List. In determining this list both the standing attained in prescribed class exercises and in field or laboratory work and that in the various examinations are taken into consideration.

Order of Classes.

The order in which the classes of a course may be taken is subject to the following provisions:—

1. In any one subject classes are to be taken in the order of their advancement.

2. The class or classes specified under Courses of Instruction (pp. 49 et seq.) as preliminary to a given class are to be taken before that class.

3. A student who has failed to pass in an elementary or preliminary class may enter a more advanced class only by permission of the Faculty; and such permission, if granted, may be withdrawn if the instructor of such advanced class report unfavorably upon the work done by the student so admitted.

Examinations.

Sessional and Class Examinations.

In all classes other than purely laboratory classes, two examinations, at least, are held,—the Christmas examination immediately before the Christmas vacation, and the Spring examination, after the close of lectures in the Spring. In some classes other examinations may be held, at dates appointed by the instructor. At the Spring examination questions may be set on any subject treated during the session. The dates of examination are arranged so as to enable students who follow the order of classes recommended above (pp. 21-25) to appear at all the examinations of the classes they may be attending.

Distinction Examinations and Class Distinction.

Students who attain a certain standard of excellence in the work of a class are awarded Distinction in that class. In some classes, in addition to the ordinary work required for the attainment of a position on the Pass List, additional work, consisting of private reading, essays, reports, field or laboratory work, may be prescribed for students who aim at Class Distinction. In such classes special examinations are held in this additional work at the end of the session, and the award of Distinction is based upon both the ordinary and the additional work of the class. In all other classes the award is made upon the standard reached in the ordinary class-work.

Class Distinctions are of two grades,—First and Second Class; but candidates who attain a standing considerably above that required for First Class will be indicated as having obtained a High First Class.

Names appearing on the Pass List are arranged in order of merit. In the Distinction lists names are arranged in alphabetical order in each grade.

Supplementary Examinations.

A student who fails to secure a position on the Pass List in any class, but who otherwise completed his class-work, shall be allowed a Supplementary examination in such class at the beginning of the next session of his attendance, on the day appointed in the University Almanac; or he may write the regular papers set in such class at the Christmas and Spring examinations of that session. But no student shall be granted a Supplementary examination until the prescribed class exercises have been completed.

No award of Class Distinction is made on the results of a Supplementary examination.

A student wishing to appear as a candidate at a Supplementary examination, or in lieu thereof at a Christmas and Spring examination, shall be required to give notice of his intention to the Secretary of the Faculty at least one week before the date of such examination, the fee to be remitted with such notice. For fees for Supplementary examinations, see p. 48.

Special Examinations.

Special examinations are examinations held at any other dates than those appointed for Sessional, Class or Supplementary examinations, or taken during the Sessional examinations by candidates who write papers other than those set in the regular classes, or taken in a given subject at any subsequent time by candidates who have failed to appear at or to pass a Supplementary examination in that subject. The following are the times at which Special examinations may be held:—

(*a*) During the Supplementary, Christmas and Spring examinations.

(*b*) Within one week following the first day of lectures after the Christmas vacation.

(*c*) Within one week preceding the last day of lectures in April.

(*d*) During the first week of November (for theological students only).

A student who desires a Special examination must make application to the Committee on Studies at least one week before the date on which such examination may be held, and the required fee must accompany the application. For fees for Special examinations, see p. 48.

Prizes and Scholarships.

(The Senate reserves to itself the right of withholding Medals, Prizes and Scholarships, in cases in which sufficient merit is not shown.)

Graduation Prizes.

The Sir William Young Gold Medal, founded by bequest of the late Sir William Young, will be awarded on graduation to the student who stands first among those

taking High Honours in Pure and Applied Mathematics, provided he attain a standard considerably above that required for High Honours.

UNIVERSITY MEDALS will be awarded on graduation to students who take High Houors in other departments than Mathematics, on the same conditions as the Sir William Young Gold Medal.

THE AVERY PRIZE.—This prize, the interest of $500, bequeathed for this purpose by the late J. F. Avery, M. D., will be awarded on graduation to the student standing highest among those graduating with Distinction.

UNDERGRADUATE PRIZES.

NORTH BRITISH SOCIETY BURSARY.—A Bursary of the annual value of $60, founded by the North British Society of Halifax, is offered for competition at the examinations of the second year's course in Arts. It is tenable for two years, namely, during the third and fourth years of the undergraduate course in Arts. Candidates must be undergraduates who have completed two years of the curriculum, and must be eligible at the proper age for membership in the North British Society. The next competition will take place in April, 1908.

THE WAVERLEY PRIZE.—This prize, the interest of an endowment of $1000, will be awarded annually to the student of the second year, who stands highest at the examinations in Mathematics 2, the winner of the North British Society Bursary being excluded.

ENTRANCE SCHOLARSHIPS.

SIR WILLIAM YOUNG AND PROFESSORS' SCHOLARSHIPS.—These scholarships are each of the value of Fifty Dollars, and awarded to qualified students entering one of the courses in Arts, Science or Engineering, leading to a degree. In order to qualify for a scholarship a student must satisfy the requirements for matriculation, either by passing the matriculation examination or by presenting a certificate accepted as an equivalent. The award is made on the recommendation of one of the following academies or schools. In making a recommendation the staff is required to have regard to the candidate's standing only in the subjects required for matriculation.

The privilege of recommending a scholar in 1907, and probably 1908, has been granted to Prince of Wales College, Pictou Academy, Truro Academy, Halifax Academy, Sydney Academy, and the New Glasgow High School. To the following the privilege is also given.—In 1907, Kentville Academy, Shelburne or Liverpool Academy, Sydney Mines High School, Annapolis or Digby Academy, Guysboro Academy, Stellarton or Oxford High School; in 1908, Amherst Academy, Lunenburg Academy, Yarmouth Academy, Windsor Academy, North Sydney High School, Bridgewater or Parrsboro High School. This list will be revised each year. When a nomination is offered to one of two institutions, the candidate standing highest will be appointed.

THE MACKENZIE BURSARY.—The Mackenzie Bursary, of the value of Two Hundred Dollars, will be offered annually in accordance with the following condition of bequest:—Competitiors of the name of Mackenzie, Maclean or Fraser, who obtain Distinction, will be given the preference. Should no candidate of the name of Mackenzie, Maclean or Fraser obtain Distinction, the Bursary will be awarded to the candidate standing highest among those obtaining Distinction.

The Bursary is payable in four annual instalments; and the payment of any instalment is conditional on the bursar's attending the classes required for undergraduates, and making satisfactory progress therein.

THE RHODES SCHOLARSHIPS.

The scholarships, established by the late Right Hon. Cecil J. Rhodes for male students, are of the annual value of £300, and are tenable for three consecutive academic years. The holders of these scholarships are required to continue their studies at the University of Oxford.

The elections of scholars in Canada take place each year during the month of January. The scholars begin residence at Oxford in October of the year for which they are elected.

In this Province it has been determined that nominations to the scholarships shall be made by the chartered Universities and Colleges in the following order:—

1907.....Acadia.	1910.....Dalhousie.
1908.....Dalhousie.	1911.....St. Francis Xavier.
1909.....Kings.	1912.....Acadia.

Where Universities make appointments the Trustees require the final decision to be made through a Committee of Selection consisting of the President or Principal and four members elected by the Faculty of the University.

The conditions of eligibility for a Canadian Scholarship, according to a memorandum issued by the Trustees, are as follows:—

1. Candidates shall be British subjects and unmarried. They shall have passed their nineteenth, but not have passed their twenty-fifth birthday, on October 1st of the year for which they are elected.
2. An elected Scholar shall have reached at least the end of his sophomore or second year's work in some recognized degree-granting University or College of Canada.
3. Candidates may elect whether they will apply for the Scholarship of the Province in which they have acquired any considerable part of their educational qualification, or for that of the Province in which they have their ordinary private domicile, home or residence. They shall be prepared to present themselves for examination or election in the Province they select. No candidate may compete in more than one Province, either in the same or in successive years.
4. Only candidates who have passed an equivalent to the Oxford Responsions Examination, or those who are exempted from Responsions by the Colonial Universities' Statute, are eligible for election.

NOTE.—Undergraduates of this University who have taken a full course for two years, including Greek, are admitted to advanced standing at Oxford, and are excused from Responsions.

In any doubtful cases of eligibility the decision of the Committee of Selection shall be final.

The following have been elected by this University:—

1904.—GILBERT S. STAIRS, B. A.
1906.—ARTHUR MOXON, B. A.

1851 EXHIBITION SCIENCE RESEARCH SCHOLARSHIP.

Her Majesty's Commissioners for the Exhibition of 1851 have, for some years, offered Scholarships in certain universities of the United Kingdom and the Colonies, with the intention of enabling students of science who have indicated high promise of capacity for original research to continue the prosecution of science with the view of aiding in its advance or in its industrial applica- the nomination to one of these Scholarships at the dis-

posal of this University. It is expected that a similar nomination will be placed at the disposal of the University in 1908.

The following, nominated by this University, have held scholarships:—

1894-6.....F. J. A. McKittrick, B. Sc.
1896-9.....D. McIntosh, B. Sc.
1898-1901.....E. H. Archibald, M. Sc.
1900-3.....James Barnes, B. A.
1902-4.....T. C. Hebb, M. A., B. Sc.
1904-7.....W. H. Ross, M. Sc.
1906- .....G. M. J. Mackay, M. A.

These Scholarships are of the annual value of one hundred and fifty pounds sterling; are tenable for two years, subject to fulfilment of certain conditions mentioned below, or, by special resolution of the Commissioners, for three years; and are open to women as well as to men.

The following were the conditions of nomination in 1906:—

(*a*) The nominee must be a British subject.

(*b*) He (or she) must, at the date of the nomination, have been for a term of three years, a *bona fide* student of Science in a University or College (or in Universities or Colleges) in which special attention is given to scientific study, a graduate who has continued his studies at a College after graduation being regarded as a student.

(c) He must have been a student of Dalhousie College either during the academic year at the end of which the nomination is made, or during the previous year, but in the event of his having ceased to be a student of Dalhousie College at the end of the previous year, he must have been engaged during the year of nomination solely in scientific study.

(*d*) He must have indicated high promise of capacity for advancing Science or its applications by original research. Evidence of capacity for original research in Science is strictly required, this being one of the main qualifications for a scholarship; and the nominee will be selected from the students qualified for nomination mainly on the ground of superiority in this respect, although the general proficiency attained in the study of Science, special knowledge of departments of Science closely related to that to which the candidate intends to devote himself, and a knowledge of such subjects as French and German which are useful in the prosecution of research, will also be taken into account.

(*e*) There is no absolute restriction as to age; but a nominee whose age exceeds 30 will only be accepted by the Commissioners under very special circumstances.

The nomination which is to be made by this University to the Commissioners in London, will be referred by them to a commit-

tee of eminent scientific men, who will advise them upon it; and the nominations will take effect on its being confirmed by the Commissioners.

The scholarship may be held at any University in the United Kingdom or abroad, or in any other institution to be approved by the Commissioners, the only restriction being that the institution selected shall be properly equipped for the prosecution of Science. But a scholar will be required, in the absence of special circumstances, to proceed to an institution other than that by which he is nominated.

The scholar, during his tenure of the scholarship, must devote himself wholly to study and research, more especially in some branch of Science, such as Physics, Mechanics, or Chemistry, the extension of which is especially important to our national industries; and he is not allowed during such tenure to hold any position of emolument.

The continuance of the scholarship for the second year is dependent upon the work done in the first year being satisfactory to the Scientific Committee appointed by the Commissioners.

Only one-fourth, at most of the scholarships granted in any one year, are renewed for a third year, the renewals being awarded to the most deserving of the candidates.

In cases in which the candidate nominated for a scholarship appears to H. M. Commissioners to have had insufficient opportunity of showing whether or not he has the power to carry on independent research, and not therefore to be immediately qualified for a scholarship, but to give promise of becoming so after a year's experience of research work, said candidate also not being in a position to continue his studies without assistance, H. M. Commissioners may award him a Probationary Bursary. The regulations under which such Bursaries are tenable may be obtained on application to the Secretary of the Senate.

Students who desire to become candidates for nomination to the above Scholarship must make application to the President of the University on or before the 1st day of February. In making such application they must furnish a statement of the following particulars:—

(*a*) Name and address.

(*b*) Age and birth place.

(c) Institution or institutions in which candidate's term of study has been passed.

(*d*) Specific statement of qualifications of candidate, including particulars of his college career, and of original research in which he has been engaged.

(*e*) Name of institution to which candidate proposes to attach himself during the tenure of Scholarship.

(*f*) Statement of the particular scientific work, specifying the branch of science, to which the candidate proposes more especially to devote himself.

(*g*) Statement as to whether or not the candidate will be prepared to accept a Probationary Bursary in the event of the Commissioners being unable to award a full Scholarship on the evidence submitted, and in the event of his being so prepared, a further statement as to his being unable to continue his studies without assistance.

As the University is required to certify the correctness of the above statement in the case of the candidate nominated, the statement must be accompanied by satisfactory evidence as to all particulars which are not in the University records. Thus age, attendance at other Universities or Colleges, and accounts of original researches conducted elsewhere, must be properly attested.

Fees.

All Fees are payable in advance, and until the Fees are paid the student will neither receive credit for attendance upon any class, nor be admitted to any examination.

The Registration Fee entitles a student to the use of the University Library.

A graduate of this University attending classes, not leading to a Bachelor's degree, nor of a technical or professional character, is required to pay only the Registration Fee, but should he attend a laboratory class he must also pay the laboratory fee required of students taking such class.

The following is a statement of the fees payable by undergraduates and general students:—

FOR REGISTRATION.

Registration, payable by students taking only one class	$ 3 00
" " " more than one class	5 00

FOR TUITION.

Elocution, and Beginners' Greek (when taken with Greek 1)	3 00
Physics 6, 7 or 8, Geology 1 or 2, or Mineralogy	8 00
Chemistry 1A or 2, including *laboratory work of not more than four hours a week	10 00
Chemistry 1A or 2, with laboratory work of five or more hours a week, Chemistry 3 or 4, Biology, or Drawing 1	12 00
Physics 9, Chemistry, 7, 8, or 9	14 00
Any other class	6 00

*All students taking classes involving laboratory work are required to make a deposit of Three dollars on entering the class. This amount, or if charges for breakage or materials used have been incurred, what remains of it after such charges have been deducted, is returned to the student at the end of his laboratory course.

For Examinations.

Supplementary examination in one subject	2 00
" " more than two subjects	5 00
Special examination in one subject	4 00
" " more than two subjects	10 00
Examination or Report on Thesis for M. A. or M. Sc. degree	5 00
Examination for B. Mus. degree, in each year of the course	10 00

For Certificates and Diplomas.

Special Certificate of Standing	1 00
B. A., B. Sc., M. A., or M. Sc. diploma	5 00
B. Mus. diploma	10 00
An *ad eundem* diploma	10 00

COURSES OF INSTRUCTION.

1.—CLASSICS.

(*McLeod Professorship.*)

Professor.....HOWARD MURRAY, B. A.
Tutor.....C. W. NEISH, B. A.

LATIN.

1. *Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

(After Christmas this class will be conducted by the Tutor).

Cicero, *Orations against Catiline;* Vergil, *Aeneid,* Book IV; *Cicero, *Pro Lege Manilia;* *Vergil, *Aeneid,* Book IV. Latin Prose Composition. Exercises in Sight Translation. Roman History to the Battle of Actium.

BOOKS RECOMMENDED: Cicero, *Selected Orations and Letters.* (Kelsey's, Allyn & Bacon, Boston, $1.25). Vergil, *Aeneid,* Book VI. (Page's Macmillan, N. Y., 40 cents). Vergil, *Aeneid,* Book IV. (Stephenson's Macmillan, N. Y., 40 cents). Bradley's Arnold's *Latin Prose Composition,* (Longmans, London, 5s.). Smith's *Smaller History of Rome,* (Harper's N. Y.) Bennett's *Latin Grammar* (Allyn & Bacon, 80 cents), or Allen & Greenough's *New Latin Grammar,* (Ginn & Co., Boston, $1.20.)

2. *Mondays, Wednesdays and Fridays, 10—11 A. M.*

Livy, Book I; Horace, *Odes,* Books I and II; *Cicero. *Pro Milone;* *Vergil, *Aeneid,* Book V. Latin Prose Composition. Exercises in Sight Translation. Grecian History to the death of Alexander.

BOOKS RECOMMENDED: Livy, Book I. (Rolfe's [text with indicated quantities] Allyn & Bacon, Boston, 25 cents). Horace, *Odes.* (Page's, Macmillan, each book 40 cents). Cicero, *Pro Milone,* (Colson's, Macmillan, 90 cents). Vergil, *Aeneid,* Book V, (Calvert's, Macmillan, 40 cents). Bradley's Arnold's *Latin Prose Composition* Smith's *Smaller History of Greece,* (Harper's N. Y.)

3. *Mondays and Wednesdays, 12 M.—1 P. M.*

Plautus, *Trinummus;* Juvenal, *Satires,* III, V, X, XIII; Tacitus, *Germania.* *Cicero, *Pro Murena.* *Lucretius, Book V. Latin Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Plautus, *Trinummus,* (Freeman & Sloman's, Macmillan. 75 cents). Juvenal, (Hardy's. Macmillan, $1.25). Tacitus. *Germania,* (Church & Brodribb's, Macmillan, 55 cents). Cicero, *Pro Murena.* (Freese's, Macmillan, 60 cents). Lucretius, Book V., (Duff's, Macmillan, 50 cents).

4. [*1908-9*] *Mondays and Wednesdays, 12 M.—1 P. M.*

Tacitus, *Histories,* Book 1; Horace, *Selected Satires;* *Tacitus, *Annals,* Book XIV; *Cicero, *De Officiis,* Book III. Latin Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Tacitus, *Histories,* Books I and II, (Godley's Macmillan, 3s. 6d.). Horace, *Satires and Epistles,* (Rolfe's, Allyn & Bacon, Boston, $1.40). Tacitus *Annals,* Books XIII-XVI (Pitman's, Oxford University. Press, 4s. 6d.). Cicero. *De Officiis,* Book III, (Holden's, Macmillan. 2s.).

*For private reading by students seeking First or Second Class Distinction Passages for translation at sight will be set in all examinations.

GREEK.

1. *Tuesdays and Thursdays, 10—11 A. M.; Fridays, 12 M—1 P.M.*

(Conducted by the Tutor.)

Xenophon, *Hellenica*, Books I and II; *Xenophon, *Cyropaedia*, Book I. Greek Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Xenophon, *Hellenica*, Books I and II, (Underhill's Oxford University Press, 3s.) Xenophon, *Cyropaedia*. Book I. (Bigg's, Oxford University Press, 2s.) Fletcher & Nicholson's *Greek Prose Composition*, (Copp, Clark Co., Toronto, $1.25). Goodwin's *Greek Grammar*, (Ginn & Co., Boston, $1.50.)

2. *Tuesdays and Thursdays, 11 A. M.—12 M.*

Lucian, *Selected Dialogues;* Homer, *Odyssey*, Book IX; *Lucian, *Vera Historia*. Greek Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Lucian, *Selections*, (Inge & Macnaghten's, Longman's, 3s. 6d.) Homer, *Odyssey*, Book IX, (Edwards', Cambridge University Press, 2s. 6d.) Lucian, *Vera Historia*, (Yates's, Bell & Sons, London, 1s. 6d.) Fletcher & Nicholson's *Greek Prose Composition*.

3. *Tuesdays and Thursdays, 12 M.—1 P. M.*

Plato, *Apology* and *Crito;* Aristophanes, *The Clouds*. *Herodotus, Book VI. Greek Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Plato, *Apology* and *Crito*, (Wagner's, Geo. Bell & Sons, London, 2s. 6d.) Aristophanes, *The Clouds*, (Mary's, Macmillan, 75 cents.) Herodotus, Book VI, (Strachan's, Macmillan, 3s. 6d.)

4. [*1908-09*] *Tuesdays and Thursday, 12 M.—1 P. M.*

Demosthenes, *Philippics*, I-III; Euripides, *Medea;* *Demosthenes, *Olynthiacs;* *Euripides, *Alcestis*. Greek Prose Composition. Exercises in Sight Translation.

BOOKS RECOMMENDED: Demosthenes, *Philippics*, (Abbott & Matheson's Oxford University Press, 2s. 6d.) Euripides, *Medea*. (Verrhll's, in Macmillan's Classical Series, 60 cents) Demosthenes, *Olynthiacs*, (Sharpley's, Blackwood. 1s. 6d.) Euripides, *Alcestis*, (Blakney's, Bell & Sons, 2s.)

ADVANCED CLASSES.

Professor.....HOWARD MURRAY, B. A.

Lecturers.....J. W. LOGAN, B. A.
G. K. BUTLER, M. A.

5 and **6.** LATIN.—Plautus, *Captivi; Miles Gloriosus*. Terence. *Adelphi, Phormio*. Vergil, *Georgics* I. IV. Horace, *Epistles* I, II, *Ars Poetica*. Juvenal, *Satires* I, VII, VIII, XIV. Cicero, *De Oratore* I, *Philippics* I, II, *Pro Cluentio*. Livy, XXI, XXII. Tacitus, *Annals* I, II, *Agricola*. Pliny, *Letters*, Books I-III.

5 and **6.** GREEK.—Æschylus, *Eumenides, Prometheus Vinctus*, Sophocles, *Antigone, Electra;* Aristophanes, *Frogs, Knights;* Homer, *Odyssey*, V—VIII. Thucydides, II, III. Plato, *Republic* I-IV. Demosthenes, *De Corona*. Aristotle, *Poetics*.

BEGINNERS' CLASS IN GREEK.

Three times a week.

This class, which is conducted by the Tutor, is intended for beginners in the language, and also for those who have come to

*For private reading by students seeking First or Second Class Distinction.

Passages for translation at sight will be set in all examinations.

college without sufficient preparation in the elements of Greek accidence and syntax to enable them to attend with profit the first undergraduate class. The book used in the first part of the session will be White's *First Greek Book;* afterwards Goodwin's *Greek Grammar* will be taken up, and a book of Xenophon's *Anabasis* will be read. Occasional examinations will be given, and those who satisfy the instructor in these examinations may have their work in this class counted as exempting them from the Junior Matriculation in Greek. The fee for this class, when taken with another Greek class, is three dollars; when taken alone, is six dollars.

II.—NEW TESTAMENT GREEK.

Tuesdays, Wednesdays, Fridays and Saturdays. 12.30 P. M.

The class and examinations in New Testament Greek, conducted by Professor R. A. FALCONER, D. D., D. LITT., in the Presbyterian Theological College, Halifax, are recognized as qualifying for a degree. Similar classes in other Theological Colleges approved by the Faculty, are also recognized for the same purpose.

The work of the class consists of the interpretation of the Gospels. Lectures are also given on the language of the New Testament, the principles of Textual Criticism, Introduction to the Gospels, and problems arising out of the Gospel narratives.

TEXT BOOKS: Westcott and Hort's or the new Bible Society's edition of the *New Testament in Greek.* Huck, *Synopse der drei ersten Evangelien;* J. H. Moulton, *Introduction to N. T. Greek;* Hammond or Lake, *Textual Criticism of the New Testament*; Mathew, *A History of the New Testament Times in Palestine.*

BOOKS RECOMMENDED: F. Blass, *Grammar of N. T. Greek*; Burton, *New Testament Moods and Tenses*; Nestle's or Kenyon's *Textual Criticism of the Greek N. T.*

III.—HEBREW.

Daily 8.45 to 9.30 A. M.

The class and examinations in Hebrew, conducted by Professor JOHN CURRIE, D. D., in the Halifax Theological College are recognized as qualifying for a degree. Similar classes in other Theological Colleges approved by the Faculty, are also recognized for the same purpose.

The aim of the course is, by a thorough drill in paradigms, and by exercises in reading and writing, to impart a fair knowledge of inflection and syntax, and the ability to read at sight easy parts of the Hebrew Scriptures.

TEXT BOOK: Davidson's *Introductory Hebrew Grammar*, with Progressive Exercises in Reading and Writing, (T. & T. Clark, Edinburgh, 7s. 6d.)

BOOKS RECOMMENDED: Gesenius' *Hebrew Grammar*, revised edition, (Mitchell, Bradley & Woodruff, Boston, $3). Green's *Hebrew Grammar*, new edition, unabridged (Wiley and Sons New York, $3). Harper's *Introductory Hebrew Method and Manual*, latest edition, (American Publication Society of Hebrew, Chicago). Robinson's Gesenius' *Hebrew Lexicon* (Houghton, Mifflin & Co., Boston, $6).

IV.—MODERN LANGUAGES.

(*McLeod Professorship*).

Professor.....HOWARD P. JONES, Ph. D.

FRENCH.

1. *Tuesdays and Thursdays. 3—4 P. M.*

Super's *French Reader* (D. C. Heath & Co.); Fraser and Squair's *French Grammar* (D. C. Heath & Co.). Composition and

exercises in Sight Translation. Additional for Distinction: Pierre Coeur, *L'Ame de Beethoven.*

2. *Tuesdays and Thursdays, 2—3 P. M.*

Mérimée, *Colomba* (Hachette, London); Lamartine, *Scenes de la Revolution Francaise* (D. C. Heath & Co.); Molière, *L'Avare.* Exercises in Grammar, Composition and Sight Translation. Additional for Distinction: Theuriet, *L'Abbe Daniel* (Macmillan & Co.); Labiche et Martin, *Le Voyage de Monsieur Perrichon* (American Book Co.).

3. *Tuesdays and Thursdays, 9—10 A. M.*

Delavigne, *Louis XI;* Warren, *French Prose of the XVIIth Century;* Boileau, *L'Art poetique.* French Prose Composition, Conversation, Dictation. History of French Literature with special reference to the 17th century. Additional for Distinction: Horace, *L Art poetique;* Buffon, *Discours sur le Style;* Fénelon, *Lettre a l Academie;* Butcher, *Aristotle's Poetics* (selected chapters of the commentary).

4. [*1908-9*] *Tuesdays and Thursdays, 9—10 A. M.*

De Vigny, *Cinq-Mars* (Macmillan & Co.); Bazin, *Les Oberle* (Holt & Co.); Sainte-Beuve, *Causeries du Lundi* (selections). French Prose Composition, Conversation, Dictation. History of French Literature with special reference to the Romantic School.

Additional for Distinction: Victor Hugo, *Selections in Prose and Verse* (Holt & Co.), *Hernani.*

5. [*1909-10*] *Tuesdays and Thursdays, 9—10 A. M.*

Corneille, *Le Cid;* Sandeau, *Sacs et Parchemins;* Mme. de *Sevigne, Lettres choisies.* French Prose Composition, Conversation, Dictation. History of French Literature, with special reference to the post-romantic period.

Additional for Distinction: Balzac, *Eugenie Grandet;* Racine, *Athalie or Andromaque.*

GERMAN.

1. *Mondays, Wednesdays and Fridays, 3—4 P. M.*

Harris, German Lessons (D. C. Heath & Co.); Jones, *A German Reader* (D. Appleton & Co.). Exercises in Grammar and Composition.

Additional for Distinction: Zschokke, *Der zerbrochene Krug,* (D. C. Heath & Co.); von Hillern, *Hoher als die Kirche,* (D. C. Heath & Co.).

2. *Mondays, Wednesdays and Fridays, 2—3 P. M.*

Schiller, *Wilhelm Tell;* von Sybel, *Die Erhebung Europas unter Napoleon* (Ginn & Co.). Grammar, (Joynes-Meissner). Exercises in Sight Traslation.

Additional for Distinction: Zastrow, *Wilhelm der Siegreiche,* (Macmillan & Co.); Schiller, *Die Jungfrau von Orleans* (Acts I, II and III).

3. *Mondays, Wednesdays and Fridays, 9—10 A. M.*

Goethe, *Hermann und Dorothea;* Heine, *Prose Selections;* Schiller, *Wallenstein's Tod.* German Prose Composition, Conver-

sation, Dictation. History of German Literature (selected period).

Additional for Distinction: Hauff, *Lichtenstein;* Fulda, *Der Talisman.*

4. [*1908-9*] *Mondays, Wednesdays and Fridays, 9—10 A. M.*

Freytag, *Die Journalisten;* Helmholtz, *Populare Vortrage;* Goethe, *Sesenheim.* German Prose Composition, Conversation, Dictation. History of German Literature (selected period).

Additional for Distinction: Dahn, *Ein Kampf um Rom;* Schiller, *Maria Stuart.*

5. [*1909-10*] *Mondays, Wednesdays and Fridays, 9—10 A. M.*

Lessing, *Minna von Barnhelm;* Sudermann, *Frau Sorge;* Goethe, *Iphigenie.* German Prose Composition, Conversation, Dictation. History of German Literature (selected period).

Additional for Distinction: Elster, *Zwischen den Schlachten;* Schiller, *Die Braut von Messina.*

V.—ENGLISH LANGUAGE AND LITERATURE

(*George Munro, Professorship.*)

Professor.....ARCHIBALD MACMECHAN, PH. D.

The course in English is mainly literary; the method pursued is historical. The different periods are studied in the representative works of the period; and in all cases actual acquaintance with the texts precedes criticism upon them. This part of the course is intended to furnish the student with an outline picture of English literature from Chaucer to Tennyson. The work for Class Distinction is meant to broaden the knowledge of more ambitious students. The essential facts of Historical English Grammar are taught by means of lectures in the Second Year. Special stress is laid upon composition. Practice is set before theory; the various exercises are corrected and preserved; the writing of "reports" forms part of this work. *The prompt and satisfactory performance of the written work is a condition of examination.* In the Advanced Classes the aim of the instruction is to acquaint the student with the grammar of Old and Middle English, and to broaden his knowledge of Elizabethan literature.

1. *(A) Tuesdays and Thursdays, 12—1 P. M.*

COMPOSITION.—Christmas Term; imitative exercises in the construction of narrative and descriptive paragraphs. Spring term; ten narrative and descriptive themes based on personal experience, and work read in class.

LITERATURE.—Eighteenth Century Prose. Addison, *Papers Contributed to "The Spectator."* Johnson, *Life of Pope.* (Macaulay, *Samuel Johnson*). Poetry. Dryden, *MacFlecknoe, St. Cecilia's Day, Alexander's Feast.* Pope, *Rape of the Lock.* Gray, *Elegy in a Country Churchyard;* Goldsmith, *Traveller, Deserted Village;* Burns, *Twa Dogs, Cotter's Saturday Night.*

For reference; Gosse, *History of Eighteenth Century Literature.*

Candidates for Class Distinction will be examined in these additional works which are not read in class. Dryden, *Absalom and Achitophel;* Pope, *Essay on Man;* Johnson, *Lives of Dryden, Addison and Gray.*

Two reports on private reading, assigned by the instructor, are required from each student.

BOOKS RECOMMENDED: Hale, *Longer English Poems* (containing all the poetry read in class); Addison ed. T. Arnold; Clarendon Press Series; Johnson, *Six Chief Lives;* ed. M. Arnold.

PARALLEL READING.—As a preparation for the course, the student is recommended to read the following works: Thackeray, *English Humorists, Congreve and Addison, The History of Henry Esmond* (bk. ii, cap xi, at least); Macaulay, *The Comic Dramatists of the Restoration, Addison.*

2. *(B). Mondays, Wednesdays and Fridays, 12—1 P. M.*

COMPOSITION.—Lectures on the Principles of Narration, Description and Exposition. Twenty Expository themes, based chiefly upon the work read in class.

LITERATURE.—Elizabethan. Shakespere, *Richard III, The Tempest, Hamlet;* Milton, *L'Allegro, Il Penseroso, Lycidas, Comus, Sonnets, Paradise Lost,* Bks. i, ii. Lectures.

ENGLISH LANGUAGE.—A short course of Lectures on the History of the English Language, at the end of the Spring Term.

For reference: Sidney Lee, *A Life of William Shakspeare;* Dowden, *Shakspere Primer;* Saintsbury, *History of the Elizabethan Literature.*

A report on private reading assigned by the instructor, is required from each student. Candidates for Distinction are required to present a second report.

Candidates for Class Distinction will be examined in the following plays which are not read in class:—*King John, The Merchant of Venice, Julius Caesar.*

PARALLEL READING.—As a preparation for this course, the student is recommended to read the following works: Kingsley, *Westward Ho!* Scott, *Kenilworth.* Hentzner, *Travels in England.* Harrison, *Description of England.* (*Scott Library*). Macaulay, *Milton.*

3. *(C). Tuesdays and Thursdays, 10—11 A. M.*

(Not given in 1907-8.)

LITERATURE.—Middle English and Pre-Shakesperean Chaucer, *Prologue, Knight's Tale, Nun's Priest's Tale.* Sweet's *Middle English Primer II.* Spenser, *Faerie Queene,* bks i, ii. Marlowe, *Dr. Faustus.* Lectures.

History of Literature. Pollard, *Chaucer Primer.* For reference: Lounsbury, Ten Brink. Morley, *English Writers, V.*

For Distinction: Chaucer, *The Prioress's Tale, Sir Topas, The Monk's Tale, The Squire's Tale.*

Composition. Eight expository themes on the work of the class.

4. *(D). Tuesdays and Thursdays, 4—5 P. M.*

(Not given in 1907-08).

LITERATURE.—Nineteenth Century. Lectures; the historical and social back-ground, the influence of the French Revolution, the ppredecessors of Wordsworth, Cowper, Crabbe, Blake, Burns, Chatterton. Scott, *Old Mortality, Marmion.* Byron, *Poems,* edited by Matthew Arnold. Wordsworth, *Poems,* edited by Dowden. Coleridge, *The Rime of the Ancient Mariner, Christabel, Kubla Khan.* Shelley, *Alastor, The Sensitive Plant, Adonais, The Cloud, The Skylark, Ode to Liberty.* Keats, *Sleep and Poetry, Odes, Sonnets, Hyperion, Eve of St. Agnes, La Belle Dame Sans Merci.*

Composition. Eight expository themes on subjects of the course.

History of Literature. Saintsbury, *History of Nineteenth Century Literature.* Herford, *Age of Wordsworth.* Oliphant, *Literary History of England.*

For Distinction. A thesis on a subject assigned by the instructor.

This subject may be assigned at the end of the previous session and completed during the summer vacation. It should in any case be selected at the beginning of the session in which the student intends to present it, and must embody the results of an original literary investigation. The following are the titles of representative theses which have been accepted: *Chatterton, A Study in Style; The Relation of "Tristram Shandy" to "Anatomy of Melancholy;" Tennyson's Treatment of Colour in "The Idylls of the King;" "Alastor," edited with Introduction and Notes.* The Thesis must be written on special thesis paper and bound. A copy must be deposited in the College Library.

5. *(E). Tuesdays and Thursdays, 4—5 P. M.*

LITERATURE.—Nineteenth century. Tennyson, *The Lady of Shalott, OEnone, Lotus-Eaters, Dream of Fair Women, Morte Darthur, Dora, Sir Galahad, Lord of Burleigh, Ulysses, The Revenge, Rizpah.* (*Poems of Tennyson, ed.* MacMechan, (*Belles Lettres* series). Browning, (*Select Poems of Robert Browning, ed.* Burton. (*Belles Lettres* series). *Andrea del Sarto, Epistle of Karshish, Memorabilia, Evelyn Hope, A Toccata of Galuppi's, The Statue and the Bust, In a Balcony, The Last Ride Together.* Arnold, *Democracy, Sohrab, and Rustum, The Sick King in Bokhara, The Strayed Reveller, Rugby Chapel, Heine's Grave, Stanzas from the Grand Chartreuse.* Dickens, *David Copperfield.* Thackeray, *Vanity Fair.* Ruskin, *Sesame and Lilies.* Carlyle, *Sartor Resartus: ed* MacMechan, (*Athenaeum Press* Series).

Composition: eight expository themes on subjects of the course.

History of Literature. Saintsbury, *History of Nineteenth Century Literature.* Walker, *The Age of Tennyson.*

For Distinction, as in English 4 (D.)

6. *(F). Mondays and Fridays, 9 A. M.*

OLD ENGLISH.—Bright, *Anglo-Saxon Reader. Sievers,* O. E. Grammar, trans Cook. Sight translation from easy texts.

7. *(G).* (*Twice a week*). (*Not given in 1907-08*).

ELIZABETHAN DRAMA. Marlowe, *Tamburlaine, Edward II, The Jew of Malta.* Greene, *Friar Bacon and Friar Bungay.* Jonson, *The Alchemist, Every Man in His Humour.* Beaumont and Fletcher, *Philaster, The Knight of the Burning Pestle.* Massinger, *A New Way to Pay Old Debts.* Webster, *The Duchess of Malfi.* Shakespeare, the Tragedies, *Two Noble Kinsmen.*

This course is conducted as a Seminary.

ELOCUTION.

Lecturer.....REV. JAMES CARRUTHERS.

This course begins early in January and continues for about three months. It is required of all students taking English 1; but students who do not take English 1 will be required to take Elocution as part of English 2. Students are required to pass in Elocution, and credit will be given for it in the determination of their standing in English. The fee for the course is three dollars.

The subjects treated are:

1. *Vocal Training*—Elements, Breathing, Natural use of Voice, Faults of the Voice, Principles of Training, Vocal instruments and their use, Voice Production.

2. *Phonology*—Vowels, their formation; Articulations, (consonants), Elements of Speech, Development of organs of Articulation, Common faults, Pronunciation, Training of the ear, Vocal quantity.

3. *Vocal Expression*—Elements, Principles of Inflection, Modulation, Emphasis, Verbal Grouping, Pausing, Expressive Reading.

TEXT BOOK: Southwick, *Elocution and Action.*

VI.—BIBLICAL LITERATURE

Lecturer.....PRINCIPAL R. A. FALCONER, D. LITT.

Tuesdays and Thursdays, 3—4 P. M.

There are three courses in the Old Testament, and two in the New Testament. The work of any one session will be accepted as an elective in the third or fourth year of the Arts course.

During session 1907-08, the *second* course on the Old Testament will form the subject of study on both days of the week.

OLD TESTAMENT.

First Course. The Historical Books of the Old Testament as a basis for the history of Israel from its origin till the rise of written Prophecy.

Second Course. Written Prophecy.

Third Course. The Poetry and Wisdom Literature of the Hebrews.

NEW TESTAMENT.

First Course. The four gospels—their origin, literary characteristics and contents.

Second Course. The Literature of the apostolic age exclusive of the gospels.

TEXT BOOKS: *The Messages of the Bible;* Ottley, *History of the Hebrews:* Kirkpatrick, *The Doctrine of the Prophets;* Weymouth, *The New Testament in Modern Speech;* Burton and Mathews, *Constructive Studies in the Life of Christ.*

FOR DISTINCTION: Books prescribed during the session.

FOR READING: McCurdy, *History, Prophecy and the Monuments;* Robertson Smith, *The Prophets of Israel;* Moulton, *The Literary Study of the Bible;* relevant articles in Hastings' *Dictionary of the Bible:* McFadyen, *Introduction to the Old Testament.*

VII.—HISTORY AND POLITICAL ECONOMY.

(George Munro Professorship)

Professor .....PRESIDENT FORREST.

HISTORY.

1. *Mondays, Wednesdays and Fridays, 10—11 A. M.*

Mediæval History and Modern History to 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. A detailed syllabus, with references and passages prescribed for reading, will be given to students on the opening of the class.

Candidates for First Class Distinction will be examined on Hallam's Middle Ages, Bryce's Holy Roman Empire, and introductory sections of Robertson's Charles V.

BOOKS RECOMMENDED: Gibbon, *Decline and Fall of the Roman Empire;* Hallam, *Middle Ages;* Bryce *Holy Roman Empire:* Irving, *Mahomet and his Successors;* Guizot, *History of Civilization;* Michaud, *History of the Crusades;* Robertson, *Charles V.;* Stubbs, *Constitutional History of England;* Labberton, *Historical Atlas.*

2. *Tuesdays and Thursdays, 10—11 A. M.*

Modern History from 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. In the lectures, books of reference will be named and selected portions specified for reading.

Disputed points will be marked out for special study and students required to examine authorities and weigh conflicting opinions, and thus learn to study history critically for themselves.

Candidates for Distinction will be examined on Green and Guizot, and a few chapters to be specified in other works.

BOOKS RECOMMENDED: Green, *England. Vol. IV.;* Guizot, *France, Masson's Abridgment);* Menzel, *Germany;* Morley, *Dutch Republic;* Bancroft, *United States;* McMaster, *History of the People of the United States;* Parkman, *France and England in North America;* Labberton, *Historical Atlas.*

3. *Once a week.*

English History from 1603 to 1688.

The work of the class will be conducted by means of lectures and examinations on reading prescribed from Clarendon, Gardiner, Green, Hallam, Ranke, Lingard, and other authorities.

This class is intended especially for undergraduates taking the Honour course in English and English History.

POLITICAL ECONOMY.

1. *Tuesdays and Thursdays, 11—12 A. M.*

The work of the class will be conducted by means of lectures and examinations on prescribed reading.

The lectures will generally follow the order of arrangement of Mill's Principles of Political Economy. 1—THE NATURE OF WEALTH: Analysis of fundamental conceptions of Wealth, &c. 2—PRODUCTION OF WEALTH: Labor, Capital, Population, and their relations to each other. 3—DISTRIBUTION OF WEALTH: Wages, Profits, Rent, Socialism, Labor Unions, Land Tenure. 4—EXCHANGE: Value, Money, Banking. 5—RELATIONS OF GOVERNMENT TO TRADE AND INDUSTRY: Tariffs, Taxation.

Particular attention will be given to the problems of the day: Protection and Free Trade, Trade Unions, Combines, Bimetallism. Each student is required to read the whole of Mill's *Principles*, together with prescribed passages from leading economists and current literature on the subjects. Weekly examinations will be held on the prescribed reading.

Candidates for Distinction will be examined on additional work, which will be announced at the beginning of the session.

TEXT BOOK: Mill, *Principles of Political Economy*; Gide, *Political Economy*.

2. *Twice a week.*

The work of this class will consist of lectures, entering into the Principles of Political Economy more fully than in the ordinary class, with examinations on reading prescribed in the works of leading writers on the subject.

VIII.—CONSTITUTIONAL HISTORY AND LAW.

The classes in Constitutional Law and Constitutional History, conducted by Professor Weldon in the Faculty of Law, and the examinations conducted in these subjects by the Faculty of Law, and the examinations conducted in these subjects by the Faculty are recognized as qualifying for a degree, provided students taking the Class in Constitutional History as an elective in Arts have also passed an examination in Bagehot's *English Constitution*, or in other prescribed work. Students taking the affiliated course in Arts and Law are exempted from this provision.

IX.—CONTRACTS.

The class in Contracts, conducted by Professor Russell in the Faculty of Law, and the examinations conducted in this subject by the Faculty of Law, are recognized as qualifying for a degree.

X.—PHILOSOPHY.

(*George Munro Professorship*).

Professor.....WALTER C. MURRAY, M. A., LL. D.

Lecturers..... PROFESSOR R. MAGILL, PH. D.
WILLIAM D. TAIT, M. A.

1. LOGIC AND PSYCHOLOGY. *Mondays, 4—5 P. M., Tuesdays and Thursdays, 12—1 P. M.*

The work of this class will consist of two courses of lectures,

one on Logic, and one on Psychology, with essays, discussions, and oral examinations.

TEXT-BOOKS: Creighton, *Introductory Logic*; James, *Text-book of Psychology*.

2. ADVANCED PSYCHOLOGY. *Tuesdays and Thursdays, 11—12 A.M.*

For 1908-9. This course of lectures will attempt a more thorough treatment of Psychology than was possible in Philosophy 1.

BOOKS RECOMMENDED: Ward, *Psychology* (Encyc. Brit.); Stout, *Analytic Psychology*; Wundt, *Outlines*; Hoffding, *Outlines*; James, *Principles*; Baldwin, *Hand-book*; Kulpe, *Outline*; Spencer, *Principles*; Calkins, *Introduction*; Villa, *Contemporary Psychology*; Mitchell, *Structure and Growth of the Mind*.

3. MODERN PHILOSOPHY. *Mondays and Wednesdays, 10—11 A.M.*

For 1908-9. After a preliminary sketch of the principal problems of Metaphysics, the development of Modern Philosophy from Descartes will be studied in Descartes' *Method and Meditations*. Locke's *Essay*, Berkeley's *Principles of Knowledge*, and *Siris*, Hume's *Enquiry*, Reid's *Inquiry*, Kant's *Prolegomena*, and Watson's Extracts from Mill's Writings.

BOOKS: Seth (A), *Scottish Philosophy*; Berkeley, *Selections* by Fraser Blackwood's Philosophical Classics; Hoffding's or Falckenberg's or Weber's *History of Philosophy*; Open Court Editions of *Berkeley*, *Hume* and *Kant*.

4. GREEK PHILOSOPHY. *Mondays and Fridays, 3—4 P. M.*

For 1908-9. In this course an introductory sketch of the development of Greek Philosophy from Thales is followed by a critical study of Plato's *Apology*, *Crito*, *Phaedo*, *Republic*, and *Theaetetus*; and Aristotle's *Ethics* (*Muirhead's Edition*).

BOOKS RECOMMENDED: Ferrier, *Lectures on Early Greek Philosophy*; Church's *Translation of Apology, Crito and Phædo* (Golden Treasury Series); Davies and Vaughan's *Translation of Republic*, (G. T. S.) Dyde's *Translation of Theætetus*; Burnet, *Early Greek Philosophy*; Nettleship, *Philosophical Lectures and Remains*; Jowett's *Translation of Plato's Dialogues*; Wallace, *Epicureanism*; Caird, *Evolution of Greek Theology*.

5. METAPHYSICS. *Mondays and Wednesdays, 10—11 A. M.*

For 1907-8. This course of lectures is intended to serve as an introduction to Metaphysics. Taylor's *Elements of Metaphysics* will be the text-book.

BOOKS RECOMMENDED: Watson, *Outline of Philosophy*; Paulsen, *Introduction to Philosophy*; Balfour, *Foundations of Belief*; Ward *Naturalism and Agnosticism*; Hoffding *Problems of Philosophy*; Mackenzie, *Metaphysics*.

6. ETHICS. *Mondays and Fridays, 3—4 P. M.*

For 1907-8. This course of lectures attempts a systematic presentation of the Principles of Moral Philosophy.

BOOKS RECOMMENDED: Fite, *An Introductory Study of Ethics*: Seth, *Ethical Principles*; Muirhead, *Elements of Ethics*; Green, *Prolegomena to Ethics*; Dewey, *Outline of Ethics*, *Study of Ethics*; Mill, *Utilitarianism*; Spencer, *Data of Ethics*; Paulsen, *Ethics*; Wundt, *Ethics*.

7. KANT. *Tuesdays and Thursdays, 11—12 A. M.*

For 1907-8. The subject of this course is Kant's Philosophy. The *Prolegomena*, *Critiques of Pure Reason*, *of Practical Reason*, and *of Judgment*, will be studied.

TRANSLATIONS RECOMMENDED: Watson's *Selections*; Mahaffy and Bernard, *Prolegomena*; Max Muller, *Critique of Pure Reason*; Abbott,

Theory of Ethics: Bernard, *Critique of Judgment*; Kant, *Prolegomena* (Open Court Edition).

COMMENTARIES AND EXPOSITIONS RECOMMENDED: Stirling, *Text-book to Kant*; Wallace, *Kant*; Fischer, *Kant*; Caird, *Critical Philosophy*; Watson, *Kant and his English Critics*, and *An Outline of Philosophy*; Adamson, *Philosophy of Kant*; Mahaffy and Bernard, *Kritik of Pure Reason Defended and Explained*; Green, *Philosophical Works, Vol. II*; Paulsen, *Kant*.

8. ETHICS AND SOCIETY. *Thursdays and Fridays, 9.40—10.40 A. M.*

This course is a continuation of that given in 1906-07. It will be given by Professor R. Magill, Ph. D., in the Presbyterian Theological College. The object of the course will be to study current Ethical and Sociological theories. Special attention will be given to the fundamental principles of Philosophical and Christian Ethics and to such movements as Trade Unionism, Socialism, &c. Books will be recommended at the beginning of the session.

9. RECENT METAPHYSICS. *Mondays and Wednesdays 4—5 P. M.*

This course, given by Mr. W. D. Tait, M. A., in 1906-07, presupposes an acquaintance with the problems of philosophy. It aims to present a pluralistic world-view according to the principles of Radical Empiricism and Humanism. The Pragmatic Method will be used in the discussion of the fundamental problems of theoretical philosophy.—The Nature of Reality; Monism and Pluralism; Freedom, Teleology and Theism; The Self, Theories of Knowledge, Consciousness; Relation of Ethics to Metaphysics, etc.

BOOKS RECOMMENDED: James, *Will to Believe*; *Principles of Psychology*, Chaps. IX, X, and XXVIII; Hoffding, *Problems of Philosophy*; Schiller, *Humanism*; Howison, *Limits of Evolution*; Strong, *Why the Mind has a Body*; Royce, *The World and the Individual*; Lotze, *Metaphysics*: Various articles in *Mind*, *Philosophical Review* and *Psychological Review*; Reprints from the *Journal of Philosophy, Psychology and Scientific Methods*; Thomson, *Brain and Personality*; Hyslop, *Borderland of Psychical Research*; Ingersoll lectures on *Immortality* by James, Munsterberg and Ostwald.

XI.—EDUCATION.

Lecturers..... PROFESSOR WALTER MURRAY, SUPERVISOR A. MCKAY, PRINCIPAL W. T. KENNEDY.

1. *Two hours a week.*

The work of this class consists of two concurrent courses of lectures. In one course, an attempt will be made to trace the mental development of the child. This course will also include lectures on the application of psychology to educational problems. The other course of lectures will trace the development of educational theory since the Renaissance, more particularly in England, and will inlcude a critical study of Ascham's *Scholemaster*, Milton's *Tractate*, Locke's *Thoughts*, Spencer's *Education*. [The course on Greek Philosophy gives considerable attention to Plato's Theory of Education]—PROFESSOR MURRAY.

BOOKS RECOMMENDED: James, *Talks to Teachers*, (*Eng. Edit.*); Hall, *Adolescence*; Laurie, *Educational Opinion since the Renaissance*; Browning, *Educational Theories*: Fitch, *Lectures on Teaching*; Bagley, *Educative Process*; Thorndike, *Educational Psychology* and *Principles of Teaching*.

2. This Class consists of a course in Practice of Teaching, School Management and School Law, and History of Education.

PRACTICE OF TEACHING.—At least 75 hours must be spent in observation, discussion, and actual practice in good Schools under supervision.—SUPERVISOR A. MCKAY.

SCHOOL MANAGEMENT AND SCHOOL LAW.—Six or eight lectures are given on School Management and the School Law of Nova Scotia.—PRINCIPAL W. T. KENNEDY.

HISTORY OF EDUCATION.—The course traces Educational Theory and Practice from earliest times in non-European countries, and in Europe from the Middle Ages.

XII.—MATHEMATICS.

Professor .....DANIEL A. MURRAY, PH. D.

Mathematics 1 is prescribed for regular first year students in Arts and Science. *Mathematics 2* is elective for students who have taken Mathematics 1. Each of the *Advanced Classes* is elective for any student who has passed in Mathematics 2.

1. *Mondays, Wednesdays and Fridays, 10—11 A. M., Tuesdays and Thursdays, 9—10 A. M.*

The work of this class includes:

ALGEBRA:—Indices, Theory of Quadratic Equations, Irrational Quantities, Quantities involving $\sqrt{-1}$. Proportion, Variation, Progressions, Permutations, and Combinations, Binomial Theorem, revised. Properties of Logarithms. Interest and Annuities. Horner's method of approximating to the roots of an equation. Elementary discussions on Functions, Limits, and Series. Selected propositions in the Theory of Equations. Graphical representations of Functions, and plotting of Loci of Equations. Elements of Determinants, with applications to elimination and the solution of Simultaneous Equations.

Indeterminate coefficients. Partial Fractions. Simple exercises in Probability, if there be time for these topics.

GEOMETRY.—Euclid, Book VI revised, and Book XI. Theorems and Problems, with drawing exercises on Harmonic Ranges and Pencils, Poles and polars, and Transversals. Geometry of the Sphere. Elementary propositions in the geometrical treatment of the Parabola and the Ellipse.

TRIGONOMETRY.—The solution of plane triangles. Measurement of heights and distances. Elementary angular analysis.

BOOKS RECOMMENDED: Hall and Knight, *Higher Algebra* (Macmillan & Co.); Hall and Steven, edition of *Euclid* (Macmillan & Co.); Murray, *Plane Trigonometry and Tables* (Longmans, Green & Co:)

2. *Mondays, Wednesday and Fridays, 9—10 A. M., Tuesdays and Thursdays, 10—11 A. M.*

An elementary course in ANALYTIC GEOMETRY AND DIFFERENTIAL AND INTEGRAL CALCULUS.

This course is intended for those who wish to become familiar with the fundamental principles of analytic geometry and the infinitesimal calculus, and to acquire the ability to apply these

principles easily and accurately in the solution of simple practical problems. The course provides mathematical preparation sufficient for beginning the study of engineering, physics, and other mathematical sciences. It is recommended as the minimum mathematical equipment for those intending to teach mathematics in the high schools.

SPHERICAL TRIGONOMETRY is prescribed for private reading for those who are trying for Distinction in Mathematics 2.

BOOKS RECOMMENDED: Tanner and Allen, *Analytic Geometry*, (American Book Co.); Murray, *Infinitesmal Calculus*, (Longmans, Green & Co.); Murray, *Spherical Trigonometry*, (Longmans, Green & Co.)

ADVANCED CLASSES.

The courses in these classes are intended for those who wish to take mathematical work in the third or the fourth year in the ordinary course in Arts or Science. They are also intended to serve as courses introductory to the study of higher mathematics, for those who may afterwards attend the graduate schools in the larger universities. Candidates for Honours in Pure and Applied Mathematics are required to take four of these courses in class.

Two of these courses will be given during each year. Each class meets two hours weekly throughout the year. The particular classes organized will depend on the students making application for them.

3. ADVANCED CALCULUS.—Topics in the treatises of Todhunter, Williamson, Harnack, Lamb, and Gibson.

4. PLAN AND SOLID ANALYTICAL GEOMETRY.—Based on the treatises of Salmon and C. Smith.

5. DIFFERENTIAL EQUATIONS.—Murray's *Differential Equations*, with supplementary lectures.

6. ALGEBRA.—Topics in Determinants, Theory of Equations, Quantics, Invariants, with lectures on Series and Functions of a real variable.

7. PROJECTIVE GEOMETRY.

XIII.—ASTRONOMY.

Lecturers ..... { PROFESSOR D. A. MURRAY, PH. D.
PROFESSOR A. S. MACKENZIE, PH. D.

1. DESCRIPTIVE ASTRONOMY.—*Two hours a week through the year.* (The course will be given in 1907-08 if a sufficient number of students apply for it).

This is a general course in which the leading facts and principles of Descriptive Astronomy are presented. It may be taken by students who have the requisite mathematical equipment, namely, an elementary knowledge of algebra, geometry and trigonometry.

BOOK RECOMMENDED: Young, *General Astronomy.*

2. ENGINEERING ASTRONOMY.—The class in Engineering Astronomy, conducted by Professor Brydone-Jack in the Faculty of Engineering, and the examination conducted in this subject by the Faculty of Engineering, are recognized as qualifying for a degree.

XIV.—PHYSIC.

(*George Munro Professorship*).

Professor.....A. STANLEY MACKENZIE, PH. D.

LECTURE COURSES.

1. GENERAL PHYSICS.—*Given yearly. Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

Pre-requisite: It is assumed that those taking this class have a knowledge of elementary trigonometry.

In the work of this course a rapid survey of the whole subject of Experimental Physics is taken, the subjects treated being: Dynamics, Properties of Solids and Fluids. Sound, Heat, Electricity and Magnetism, Light and other forms of Radiation. The course is fully illustrated by experiments, and special attention is paid to the solution of problems, all students being required to hand in papers for correction and criticism.

Members of the class who aim at passing merely will be examined on those parts of the subject only which are discussed in lectures. Those who aim at Distinction will be examined on private reading to be assigned in Mechanics, and will be expected to consult the books on other departments of the general subject of physics recommended by the Lecturer.

In the earlier portion of the course especially, those who take this class in order to prepare for the examination in Medical Physics will be excused from attendance on days to be assigned in advance, and a separate examination paper will be set for them.

BOOKS RECOMMENDED: Watson, *Physics*; Duff, *Mechanics*; Jones *Heat, Light and Sound*; Cumming, *Electricity treated experimentally.*

FOR DISTINCTION: MacGregor, *Kinematics and Dynamics.*

2 A. ELEMENTARY MATHEMATICAL—HEAT AND ELECTRICITY.—*Given in alternate years. To be given in 1907-8. Tuesdays and Thursdays, 11 A. M.—12 M.*

Pre-requisites: Mathematics 2, Physics 1, and Physics 6.

The subjects studied will be Heat, and Electricity and Magnetim. Students aiming at Distinction will be examined on private reading to be assigned in the Kinetic Theory of Gases.

BOOKS RECOMMENDED: Maxwell, *Theory of Heat*, Poynting & Thomson *Heat*; Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; S. P. Thompson, *Lessons on Electricity and Magnetism.*

FOR DISTINCTION: Baynes' Mayer, *Kinetic Theory of Gases.*

2 B. ENGINEERING PHYSICS.—The specifications of this course are the same as those of Physics 2A, with the additional requirement that the student will be examined on assigned reading in the theory of the Steam Engine and of Dynamo-electric Machinery. The course is intended for students in Engineering courses.

BOOKS RECOMMENDED: Ewing, *Steam Engine and other Heat Engines*; Thompson, *Dynamo-Electric Machinery.*

3. ELEMENTARY MATHEMATICAL—LIGHT AND SOUND—*Given in alternate years. To be given in 1908-9. Tuesdays and Thursdays, 11 A. M.—12 M.*

Pre-requisites: Mathematics 2, Physics 1 and Physics 6.

The subjects studied will be Light and Sound. Students aiming at Distinction will be examined on private reading to be assigned in the Wave Theory of Light.

BOOKS RECOMMENDED: Preston, *The Theory of Light;* Ellis' Helmholtz, *The Sensations of Tone*

FOR DISTINCTION: Mann & Millikan's Drude, *The Theory of Optics*; Mann, *Manual of Advanced Optics.*

4. ADVANCED MATHEMATICAL.—*Given in alternate years. To be given in 1907-8. Mondays and Wednesdays, 10—11 A. M.*

In this course an introduction to Mathematical Physics and Applied Mathematics will be given. It is intended for candidates for Honours in Pure and Applied Mathematics, and in Mathematics and Physics, but other students with the necessary qualifications may enter the class.

BOOKS RECOMMENDED: Tait & Steele, *Dynamics of a Particle*; Love, *Elasticity*; Williamson & Tarleton, *Dynamics*; Minchin, *Statics*; Routh, *Rigid Dynamics*; Greenhill, *Hydrostatics*; Besant, *Hydromechanics.*

5. EXPERIMENTAL METHODS.—*Given yearly. Fridays, 10—11 A. M.*

This course deals with experimental methods, and the relation of theory to research, as exemplified by papers of classic interest, or by recent developments of Physics. In 1905-7 the subjects studied were taken from the writings of Professors J. J. Thomson and E. Rutherford on Ionization, Radioactivity, and allied topics. The course may be conducted by lectures, by private reading, or by laboratory work, or by a combination of them.

This course is intended primarily for candidates for Honours in Mathematics and Physics, and in Chemistry and Chemical Physics; but it may be elected by any student who shows that he is able to undertake it.

LABORATORY COURSES.

All students in laboratory courses are required to keep a detailed record of the investigations made, describing the methods and apparatus used, giving the results obtained and discussing the degree of accuracy and the causes of error. The excellence of this record will count largely toward the student's final mark in the course. No student is admitted to the final examination in the course whose actual work in the laboratory is unsatisfactory either from the standpoint of quantity or quality.

6. ELEMENTARY PRACTICAL.—*Given yearly. At least five hours per week. Laboratory open on Tuesdays and Thursday, 3—6 P.M.*

In this course the student makes a series of elementary experimental investigations to aid him in grasping the fundamental quantitative physical laws upon which the science is based, and to familiarize him with the methods and instruments used in physical measurements.

BOOKS OF REFERENCE: Ames & Bliss, *Manual of Experiments in Physics*; Stewart & Gee, *Elementary Practical Physics.*

7. ELECTRICAL MEASUREMENTS.—*Given yearly. At least five hours per week. Laboratory open on Tuesdays and Thursdays, 3—6 P. M.*

Pre-requisite: Physics 1, Physics 2, and Physics 6.

This class is intended for Engineering students, and consists of a series of measurement in Magnetism and Electricity, such as Magnetic Fields, Elements of Earth's Magnetism, Magnetic qualities of Iron, use and calibration of Galvanometers, Voltameters, Resistance, Electromotive force, Capacity, Self-induction, Power, Management of Storage Batteries, Photometry.

BOOKS OF REFERENCE: Stewart & Gee, *Elementary Practical Physics, Vol. II.*; Ayrton, *Practical Electricity*; Nichols, *Laboratory Manual of Physics and Applied Electricity.*

8. ADVANCED PRACTICAL.—*Given yearly. At least five hours per week. Laboratory open Tuesdays and Thursdays, 3—6 P. M.*

Pre-requisites: Physics 1, Physics 2 or Physics 3, and Physics 6.

The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 6, and a greater degree of precision will be expected in the determinations made. Students who show sufficient ability will be allowed to conduct new investigations, provided they do not use for that purpose a large portion of the prescribed time. Members of the class are required to take Physics 5, and to study the methods they may use in the works recommended by the instructor.

BOOKS OF REFERENCE: Those in Physics 7, and also Glazebrook & Shaw, *Practical Physics*; and Ostwald, *Physico-chemical Measurements.*

9. RESEARCH COURSE.—*At least ten hours per week.*

The work will consist of new investigations conducted by students who show sufficient ability, and are otherwise qualified to undertake it.

Members of the class will be required to acquaint themselves with the literature of the subject in which their ingestigations lie, to prepare critical reports on those portions of it with which their work is more immediately concerned, and to prepare full reports on the methods and results of their own observations.

XV.—CHEMISTRY.

(*McLeod Professorship*).

Professor.....E. MACKAY, PH. D.

Demonstrator .....H. J. CREIGHTON, B. A.

1. GENERAL CHEMISTRY.—*Mondays, Wednesdays and Fridays, 9—10 A. M.*

Measurement of mass, volume, pressure, temperature, heat; solids and liquids; gases and gas laws; melting-points, boiling-points, solution, crystallization. Preparation and properties of common acids and alkalies; combustion, air, water, oxygen, hydrogen; fundamental laws of combination, atomic theory, Avogadro's law, formulæ, equations; chlorine; sulphur; nitrogen, argon; carbon; halogen group; dissociation, mass action; valence; periodic law; nitrogen group; isomorphism; electrolytic dissociation; potassium, sodium, ammonium; silver, copper, gold;

electrolysis; atomic heat; calcium, strontium, barium; magnesium, zinc, cadmium, mercury; thermochemistry; borax, aluminium; carbon group; chromium; manganese; iron, nickel, cobalt, platinum. Some common organic compounds.

The lectures are illustrated as fully as possible by experiments. A tutorial class, attendance on which is in general optional, meets on Friday afternoons.

Candidates for Distinction are required to take laboratory work as specified under Chemistry 1 A.

1 A. The work of this class is that of Chemistry 1, with three to five additional hours a week devoted to laboratory work.

The laboratory work is designed to make the student familiar with ordinary laboratory operations and to lead him to solve simple problems in chemistry by experiment. Several common inorganic substances are prepared and studied; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

2. *Tuesdays and Thursdays, 9—10 A. M.*

for admission to this class Chemistry 1 A, or an equivalent class in chemistry, is required.

Autumn term: The metals and their compounds; elements of Physical Chemistry.

Spring term: Compounds of carbon, their purification and and analysis; the paraffins and their chief derivatives; ethylene; acetylene; benzene and its chief derivatives.

At least four hours a week must be devoted to laboratory work. This will include qualitative analysis and the preparation of pure laboratory reagents and typical inorganic and organic substances.

BOOKS RECOMMENDED: A. A. Noyes, *Qualitative Chemical Analysis*, The Macmillan Co.); Remsen, *Compounds of Carbon*, Hthedition, (D. C. Heath & Co.)

3. MEDICAL CHEMISTRY.—*Autumn term: Saturdays, 9—10 A. M. Spring term: Tuesdays, Thursdays and Saturdays, 9—10 A. M. Laboratory: Tuesdays and Thursdays, 10—11 A. M., Fridays, 11 A. M.—12 M.*

Students entering this class must have taken Chemistry 1 A, or an equivalent class in chemistry.

Class Work.—The subjects of study in the class include pure chemistry and the applications of chemistry to medicine.

Pure Chemistry: Review of the chemistry of the metals, noting especially compounds having medicinal or toxic properties; compounds of carbon—their purification and analysis; the paraffins and their chief derivatives; ethylene; acetylene; benzene and its chief derivatives.

Medical Chemistry: Air; water, its sanitary analysis and purification; adulteration of foods; the proximate principles of the body and of food; typical foodstuffs—as milk, flour, bread, meat; the blood; the digestive fluids and digestion; urine.

Laboratory Work.—All members of the class are required to devote at least three hours a week to laboratory work. This will consist of qualitative analysis, including the detection of the more commonly occurring poisons, the detection of adulterations in

milk, simple quantitative exercises in the analysis of air and water, and the quantitative estimation of glucose, albumen and urea.

BOOKS RECOMMENDED: Roscoe and Harden, *Inorganic Chemistry for Advanced Students* (Macmillan & Co,); Remsen, *Compounds of Carbon*, 4th edition (D. C. Heath & Co.); Halliburton, *Essentials of Chemical Physiology*, (Longmans.)

4. ENGINEERING CHEMISTRY.—*Autumn Term: Tuesdays and Thursdays, 9—10 A. M. Spring Term: Fridays, 12 M.—1 P. M. Laboratory: Mondays and Wednesdays, 3—6 P. M.*

For admission to this class Chemistry 1 A, or an equivalent class, is required.

During the Autumn term the lectures in this class are the same as in Chemistry 2. For the Spring term the subjects of study are: the chemical properties of iron and steel, cements, asphalt, lubricating oils; and the examination of water for city supply or for industrial purposes. Students of mining study also the properties of coal-mine gases and of blasting explosives.

Five hours a week are devoted to laboratory work. This includes a thorough course in qualitative analysis. Students of Civil Engineering also carry out a few quantitative exercises illustrating subjects treated of in the lectures during the Spring term. Students of Mining are given additional work in the analysis of minerals.

BOOKS RECOMMENDED: A. A. Noyes, *Qualitative Analysis* (The Macmillan Co.) For reference: Stillman, *Engineering Chemistry* (Chemical Publishing Co.); Clowes, *Detection of Inflammable Gases and Vapors* (Crosby, Lockwood & Co.)

ADVANCED CLASSES.

The two following classes are especially intended for candidates for Honours in Chemistry and Chemical Physics; but any student who has passed in Chemistry 2 with Distinction may be admitted. The classes are given in alternate years.

5. HISTORY OF CHEMISTRY.—*(1908-9.) Once a week.*

The development of chemical theory from the time of Boyle.

BOOKS RECOMMENDED: Tilden, *Short History of the Progress of Scientific Chemistry* (Longmans & Co.); Roscoe, *Dalton and the Rise of Modern Chemistry* (Macmillan & Co.); Shenstone, *Justus von Liebig* (Macmillan & Co.); Thorpe, *Essays on Historical Chemistry* (Macmillan & Co.); Schorlemmer, *Rise and Progress of Organic Chemistry* (Macmillan & Co.); and selected memoirs from the Alembic Club Reprints and Ostwald's Klassiker.

6. PHYSICAL CHEMISTRY.—*(1907-8). Once a week.*

Solutions; thermo-chemistry; electro-chemistry; and chemical dynamics.

LABORATORY CLASSES.

7. PRACTICAL INORGANIC CHEMISTRY.—*At least ten hours a week.*

The work of this class consists of quantitative analysis and the preparation of inorganic substances.

One hour a week is taken for the discussion of analytical methods, and at least ten hours a week must be devoted to laboratory work. The preparations and analyses prescribed are designed to illustrate typical methods. The quantitative exercises carried out are the following: preparation of standard solutions

of acids and alkalies, estimation of chlorine, sulphur, phosphorus, carbon in carbonates, silicon, silver, copper, iron, manganese, zinc, calcium and magnesium, volumetric as well as gravimetric methods being employed wherever applicable.

Candidates for Distinction are required to undertake additional work selected from the following: estimation of iodine, nitrogen in nitrates, potassium, chromium, aluminium and lead, analysis of iron and steel, analysis of ores, water analysis.

BOOKS RECOMMENDED: Renouf, *Inorganic Preparations* (Johns Hopkins Press); Lengfeld, *Inorganic Chemical Preparations* (The Macmillan Co.); Talbot *Quantitative Analysis* (The Macmillan Co.); Clowes and Coleman, *Quantitative Analysis* (J. & A. Churchill); Blair, *Chemical Analysis of Iron* (J. B. Lippincott & Co); Mason, *Examination of Water* (Wiley & Sons).

8. PRACTICAL ORGANIC CHEMISTRY.—*At least ten hours a week.*

The work of this class consists of the preparation and analysis of organic compounds. At least ten hours a week must be devoted to laboratory work. A sufficient number of organic compounds are prepared to illustrate the most important reactions and methods of working. Quantitative determinations are carried out of carbon, hydrogen, oxygen and nitrogen.

Students are permitted to substitute for the analytical work an equivalent amount of work in other branches of analysis, or in Physiological Chemistry.

Candidates for Distinction are required to do additional work of the kind outlined above.

BOOKS RECOMMENDED: Remsen, *Compounds of Carbon*, 4th edition (D. (D. C. Heath & Co.); Cohen *Practical Organic Chemistry for Advanced Students* (Macmillan & Co.); Gatterman, *Practical Methods of Organic Chemistry*, translated by Schober (Macmillan & Co.)

9. The work of the class will consist either (*a*) of original investigation conducted by students who have shown themselves qualified to undertake it, or (*b*) of work in analytical or synthetical chemistry in continuation of the work of either Chemistry 7 or 8.

CHEMICAL LABORATORY.

The general laboratory is open on Mondays and Wednesdays from 10 to 11 A. M., and from 3 to 6 P. M., and on Tuesdays, Thursdays and Fridays from 10 A. M. to 12 M. The quantitative laboratory is open daily, except Saturdays, from 9 A. M. to 6 P. M.

Laboratory students are allowed the use of all the more inexpensive reagents. They are required to provide themselves with the more expensive reagents as alcohol and ether, and they are charged with the value of apparatus they have broken or injured.

All members of practical classes are required to keep a detailed record of their laboratory work. The character of this record is a factor in determining the standing of a student in the class lists.

XVI.—GEOLOGY.

Professor.....J. EDMUND WOODMAN, A. M., S. D.

1. GENERAL GEOLOGY.—*Lectures, field and laboratory work, with reading. Tuesday and Thursday, 12 M.—1 P. M.; laboratory, Wednesday and Friday, 2—4 P. M.; field on Saturdays (mornings*

or whole days throughout the Autumn. During the field season, laboratory only one day a week.

Chemistry 1 A is pre-requisite, and Physics 1 is recommended. No member taking the full course will be allowed to pass who has not satisfactorily completed both field and laboratory work.

This course may be counted for the degree of B. A. without field work; but no other course in Geology may be taken until such field work shall have been made good.

2. PHYSIOGRAPHY.—*Lectures, laboratory work and reading. Tuesdays and Thursdays, 4—5 P. M.; laboratory, Tuesdays and Thursdays, 2—4 P. M.; first half year.*

Course 2 aims to give a general knowledge of the changes which the surface of the earth undergoes, from the standpoint of Physical Geography, and to help especially those who look forward to teaching science. The essential feature of this aim is the replacement of the usual empirical treatment o fdescriptive geography by a rational physiographic method, the understanding forming the basis for memory work. *This course may be elected without any previous courses in the department.*

The lectures will cover the following general divisions, the second constituting the main part of the work:—(1) general distribution of land and water; (2) geography of the lands; (3) mathematical geography; (4) meteorolgy; (5) oceanography; (6) geographic controls of plant and animal distribution; (7) geographic factors in human history.

Distinction will be based upon the fulfillment of special tasks, aswell as upon merit of class work.

[Not given in 1907-08].

3. GEOLOGY OF CANADA.—*Lectures, field, library and laboratory work. Monday, Wednesday and Friday, 4—5 P. M.; field work one day or two half-days per week during the open season; library and laboratory work during the winter.*

Field work in this course is individual. The lectures cover general dynamical problems during the first term and the historical geology of Canada during the second.

4. ENGINEERING GEOLOGY.—*Lectures, field work, laboratory and reading. Monday, Wednesday, and Friday, 10—11 A. M., first half year; field work as in course 3.*

Geology I is pre-requisite. Required of candidates for a degree in Civil Engineering; not open to others.

5. ADVANCED PHYSIOGRAPHY.—*Conferences or lectures, and library work. Tuesdays and Thursdays, 2—5 P. M.; second half year.*

Geology 5 is open to any who obtain a satisfactory grade in course 2, and will occupy approximately the same hours. Reading and a thesis may, however, require the expenditure of some additional time. A special problem will be chosen by each member; and these problems and others will be discussed at weekly conferences with the instructor. Opportunity will be found for the

publication of any papers upon Canadian physiography, which are of sufficient merit and interest.

[Not given in 1907-08].

6. MINING GEOLOGY.—*Lectures, field, laboratory and library work. Mondays, Wednesdays and Fridays, 11 A. M.—12 M.; field and library work by appointment.*

Courses 6 and 7 are complementary, and given in alternate years.

Geology 1 is pre-requisite, and Mineralogy 1 is recommended.

Course 6 concerns itself with the geological relations and genesis of ore deposits. Much reading of original papers is done, and a thesis must be prepared during the second term, upon a topic studied especially in the field or library. Distinction will be based largely upon the reading and thesis.

7. ECONOMIC GEOLOGY.—*Lectures, laboratory and library work, with field work if possible. Mondays, Wednesdays, and Fridays, 11 A. M.—12 M.*

The course deals with the non-metalliferous deposits and water supply. Special emphasis is laid upon coal. In both 6 and 7 the deposits of Nova Scotia will be treated in detail. The general conduct and requirements are similar to those of course 6.

[Not given in 1907-08].

XVII.—MINERALOGY.

Professor.....J. EDMUND WOODMAN, A. M., S. D.

1. *Lectures and laboratory work, Tuesdays and Thursdays, 10—11 A. M.; laboratory, Wednesdays and Fridays, 2—4 P. M.*

Chemistry 1 A is pre-requisite; and a knowledge of Elementary Optics recommended.

XVIII.—BIOLOGY.

Lecturer.....

1. *Tuesdays, 2—4 P. M., Saturdays, 11 A. M.—1 P. M.*

BOTANY.—The course in Botany will have special reference to the following subjects: Protoplasm and Plant-cells the Tissue and Tissue Systems of Plants, Morphology of the Plant-body, Plant Physiology, the Principles of Classification and the Laws of Distinction, the Protophyta (Schizophyceæ), the Phycophyta (Chlorophyceæ and Phæophyceæ), the Carpophyta (Rhodophyceæ, Ascomyceteæ and Basidiomyceteæ specially), the Bryophta (Mosses and Liverworts), the Pteridophyta (Ferns, Horsetails and Club-mosses), the Anthophyta (specially the Coniferæ, Gramineæ, Orchidaceæ, Liliaceæ, Uticaceæ, Labiatæ, Compositæ, Umbelliferæ, Rosaceæ, Cruciferæ, Leguminosæ, Ranunculaceæ). The Morphology and life history (the anatomy, histology, and development) of at least two common or representative species of each group of plants above named, in minute detail.

General attention will be given to the native flora of the Province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study in Botany as indicated in Grade IX of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscope sections, and the general dissection of plants. The use in class of a number of microscopes, will be granted the students under the care and direction of the Lecturer; but a hand lens, glass slides, cover glasses, scalpels and other apparatus or books necessary for each student, should be supplied by each for himself. Collections, notes, class-work and drawings of students will be estimated for incorporation into final class standing.

Students aiming at Distinction are required, in addition, during the summer vacation to study practically the flora or a section of the flora of some district, to present a collection of the said flora properly classified and mounted, and to pass an oral and practical examination on the same at the beginning of their next session.

TEXT BOOK: Bessey, *Essentials of Botany.*

Manuals of the practical work prescribed for the summer will be recommended by the Lecturer.

FOR REFERENCE: Special text-books will be recommended in each subdivision of the subject during the course of the lectures and demonstrations.

ZOOLOGY.—The course in Zoology will consist of lectures supplemented by practical work.

The student will be expected to master the system of Zoology as contained in Shipley and McBride's Elementary Text-Book, parallel with the course of lectures expounding zoological principles and sketching local distribution of species and genera, and with the life-study or dissections of local species under the microscope or scalpel as follows:

1. Five species of the local lobosa; 2. One species each from any five of the following: The Foraminifera, Heliozoa, Radiolaria, Flagellata, Choanoflagellata, Dinoflagellata, Paramoecium, Vorticella, Sporozoa; 3. Three species of marine, and three of French-water Sponges; 4. One species each of Hydra: the Campanularidae, Plumularidae, and Sertularidae; Aurelia, Metridium; and the skeletons of Zoantharia and Alcyonaria; 5. A species each of the Platyhelminths and of the Nemanthelminths; 6. Five species of local freshwater and marine Polyzoa and a Rotifer; 7. The common Starfish; 8. The common Sea-urchin; 9. An Earthworm; 10. A Lobster; 11. Entomostraca in water supply, and dissection of Grasshopper in detail; 12. Oyster, Clam, or Mussel; 13. A Trout, Smelt, Herring or Cod. (Or No. 16 in full detail); 14. A Frog. (Or No. 16 in full detail); 15. A Pigeon. (Or No. 16 in full detail); 16. A Rabbit. (If in full detail for 12, 13, 14, and 15). The scarcity of any of the above during the season, or the abundance of other species may modify the list of species for dissection or life-study as may suit the circumstances most conveniently).

FOR DISTINCTION: The candidate must pass an examination on supplementary texts to be named after the opening of the course; or present a paper showing practical, original, or local exploratory work in some zoological subdivision; or present a collection made and determined, proving the ability of the candidate to deal with practical zoological problems.

XIX.—DRAWING.

Mechanical Drawing.

The class in Mechanical Drawing known as Drawing 1, conducted by Professor Brydone-Jack in the Faculty of Engineering, and the examinations conducted by the Faculty of Engineering, are recognized as qualifying for a degree.

Freehand Drawing.

The class in Freehand Drawing conducted by the Victoria School of Art and Design is recognized as qualifying for a degree. It is held in the rooms of the Victoria School of Art on Argyle Street. Candidates offering this class for a degree must present certificates, showing that they have given the required attendance and have satisfactorily completed the work of the class. Blank forms of certificate may be had from the Secretary of the Faculty of Arts and Science. Information regarding the hours of meeting of the class, fees, etc., may be obtained on application to Mr. Alexander McKay, Secretary of the Victoria School of Art and Design.

The subjects studied are as follows:

Free-hand Drawing. Geometrical Drawing. Shaded Drawing from the Round. Modelling in clay. Principles and practice of Decorative Design and elements of Perspective.

XX.—ANATOMY.

The University provides no instruction in this subject, but the Junior or the Senior Anatomy Class and the Practical Anatomy Class, conducted in the Halifax Medical College by Professor A. W. H. Lindsay, M. D., are recognized as qualifying for a degree. The Junior Anatomy Class meets on Mondays, Wednesdays and Fridays at 12—1 P. M. The Senior Class meets on Tuesdays and Thursdays at 12—1 P. M., and Saturdays at 10—11 A. M. The fee for each of these classes is $15.00. The Practical Anatomy Class meets daily (Saturdays excepted), at 3.30—5.30 P. M.; fee, $15.00.

Undergraduates who have taken the Practical Anatomy Class as part of their course are required to produce evidence of having, during their attendance on such class, carefully dissected at least three "parts" of the body.

Undergraduates who have taken the above classes as part of their course are required to present certificates of having passed the examinations conducted by the Faculty of Medicine.

XXI.—HISTOLOGY.

The University provides no instruction in this subject, but the class conducted in the Halifax Medical College is recognized as qualifying for a degree The class meets on Mondays, Wednesdays and Fridays, at 11 A. M.—12 M. The fee for the course is $15.00.

XXII.—PHYSIOLOGY.

The University provides no instruction in this subject, but the class conducted in the Halifax Medical College, is recognized as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11 A. M.—12 M. The fee for the course is $15.00.

Undergraduates who have taken this class as part of their course are required to present a certificate of having passed the examination of the Faculty of Medicine.

XXIII.—THEORY AND HISTORY OF MUSIC.

The classes in the Theory of Music and History of Music, conducted in the Halifax Conservatory of Music, are recognized as qualifying for the degree of Bachelor of Music. In the Theory the course extends over three years; in the History, over two. Information as to details of subjects studied in the classes, fees, text-books, etc., may be obtained on application to the Director of the Conservatory.

Faculty of Engineering.

THE PRESIDENT.

A. MACMECHAN, Ph. D.
E MACKAY, Ph. D.
D. A. MURRAY, Ph. D.
J. E. WOODMAN, A. M., S. D.
A. S. MACKENZIE, Ph. D.
E. BRYDONE-JACK, B. A., C. E.
HOWARD P. JONES, Ph. D.
J. CARRUTHERS.

Secretary of the Faculty:
Registrar of the Faculty: PROFESSOR J. E. WOODMAN.

Correspondence should be addressed:—*The Secretary, Faculty of Engineering, Dalhousie College, Halifax, N. S.*

Courses for Bachelor of Engineering.

Courses extending over four years and leading to the degree of Bachelor of Engineering are prescribed in—

(i.) Civil Engineering, and
(ii.) Mining and Metallurgical Engineering.

The object of these courses is to give a thorough and practical training in the principles underlying all engineering work, and to fit graduates for successful business and professional careers.

Students are first instructed in the fundamental principles upon which all branches of engineering are based, and are afterward taught the application of these principles to practical work.

As the necessary subjects preliminary to technical studies, as Mathematics, Physics, Chemistry, English and Drawing, are nearly the same for all departments of engineering, a student may also acquire the preliminary training for Electrical, Mechanical or other department of Engineering, during the first two years of the Civil or Mining Engineering course.

In addition to the work of the regular courses, lectures are given during the session before the Engineering Society of Dalhousie University, by prominent engineers, describing the work with which they have been connected; and students also have the privilege of attending the meetings and using the libraries of the Nova Scotia Mining Society, of the Nova Scotian Institute of Science, and other organizations meeting in the city, whose proceedings are of scientific or technical interest. Students have the further advantage of being brought in contact with actual engineering and mining practice by visits to

works of engineering interest and to metallurgical plants and mines.

I.—CIVIL ENGINEERING.

The course in Civil Engineering is designed to fit the graduate to take a position in any of the special branches of Civil Engineering, as Railroad Engineering, Hydraulic Engineering, Highway Construction, Municipal Engineering, Bridge and Structural Engineering, Sanitary Engineering and Surveying. The course also provides instruction in the principles of Steam Engineering, Electrical Engineering, and Mechanical Engineering.

The student thus has a wide field from which to choose his life work, and the course fits him for the management of business and engineering enterprises after a few years in practical work.

Method of Instruction.

The instruction is carried on by lectures, recitations, and by actual work in the field, drawing office and laboratory. In practice the engineer must not only understand what is required of him, but he must be able to do it satisfactorily, economically, and quickly. To accomplish this the student is required to recite, and to do the work himself neatly, accurately, and quickly, so that he may compete successfully with other engineers.

The work of the first two years is arranged to suit the needs of those wishing to qualify themselves as land surveyors.

Order of Classes.

The prescribed classes of the course, arranged in years, and the number of hours of class-work per week required in each class, are given in the following schedule. Details of the classes will be found under Courses in Instruction:

First Year.

	Hours		Hours.
*Mathematics 1.....	5	Elocution (one term)....	2
Chemistry 1 A.....	7	French 1, *or*.....	2
Drawing 1.....	16	German 1.....	3
English 10.....	3	*Engineering Camp.*	

Second Year.

	Hours.		Hours.
Mathematics 2.....	5	Surveying 1 (first term).	12
Physics 1.....	3	" (second term)	7
Physics 6.....	5	French 2 *or*.....	2
Chemistry 4.....	7	German 2.....	3
Drawing 2 (second term).	8	*Engineering Camp.*	

*Spherical Trigometry will be required for summer reading.

Third Year.

	Hours.		Hours.
Physics 2 B.....	2	Surveying 2 (second t'm)	9
Geology 1 (first term)...	10	Hydraulics 1.....	2
" (second term).	6	Mechanics	3
Astronomy 2 (second t'm)	2	Structures 1 (second t'm)	4
Surveying 2 (first term).	12	*Engineering Camp.*	

Fourth Year.

	Hours.		Hours.
Physics 7	5	Railway Economics, (first term).....	1
Geology 4 (first term)....	7	Structures 2.....	15
Surveying 3 (second term)	2	Metallurgy 6.....	2
Hydraulics 2 (first term).	2	Engineering Law, (one term).....	1
Hydraulics 2 (second t'm)	5		

Summer Thesis.

Students of the first, second and third years will be required to prepare, during the summer, a thesis describing in detail some piece of engineering work or structure, or describing any work with which they have been connected during the vacation.

These theses must be submitted on or before October 1st.

Graduation Thesis.

Every student of the fourth year is required to prepare a scheme with adequate drawings and designs of some new engineering enterprise, or to complete an original research on some material of construction, the subjects to be submitted for approval to the Professor of Civil Engineering not later than December 1st, and the completed report to be handed in on or before April 1st.

Engineering Camp.

Besides completing incidental field work during the year all students in the Civil Engineering course are required to attend the Engineering Camp in their first, second and third years. Students in Mining Engineering are required to attend the Camp in their second year. The nature of the work varies from year to year, and consists in making preliminary and location surveys for a short line of railway, or a hydrographic and topographical survey, or compass and land suveys. Practice is also given in camp and party management, with the handling of parties and the distribution of work. The surveys are made under strict supervision.

The time devoted to the work is ten hours a day for three weeks, while the instrument men are required, in addition, to plot the work for each day, and record it in the official note books. All work is checked in order to insure accuracy. Each fourth year student is required to keep a complete record of the work and to make drawings of the whole survey.

II. MINING AND METALLURGICAL ENGINEERING.

The course in Mining and Metallurgy is designed to cover two distinct though closely related fields, that of the mining engineer, involved in the locating, developing and operating of mining properties, and that of the metallurgist, in the reduction of ores and the treatment of fuels. As a student may be looking forward to work in one or other of these fields, he is allowed to specialize to a limited extent in his final year of study. The first two years of the course are almost the same as the corresponding years in Civil Engineering. The third and fourth years are mainly taken up with technical classes, much attention being given to the mining and metallurgical industries of Nova Scotia.

Order of Classes.

The classes of the course arranged in the order in which they are in general to be taken are given in the following schedule. Details of class work will be found under Courses of Instruction.

First Year.

	Hours.		Hours.
Mathematics 1	5	Elocution (one term)	2
Chemistry 1 A	7	French 1 * *or*	2
Drawing 1	16	German 1 *	3
English 10	3		

Second Year.

	Hours.		Hours.
Mathematics 2	5	Geology 1 (first term)	10
Physics 1	3	" (second term)	6
Physics 6	5	French 2*	2
Chemistry 4	7	German 2*	3
		Engineering Camp.	

Third Year.

	Hours.		Hours.
Physics 2 B	2	Surveying 1	10
Chemistry 7	10	Metallurgy 1 (one term)	8
Geology 3	6	Metallurgy 2	3
Geology 7	3	Mining 1	3
Mineralogy 1	6	Mining 4, (Summer Session).	

*Only required for the degree of Bachelor of Engineering with Distinction.

Fourth Year.

	Hours.		Hours.
Physics 7	5	Metallurgy 4.....	12
Geology 7	3	Mining 2	2
Hydraulics 1	2	Mining 3 (one term)..	2
Mechanics	4	Engineer'g Law (one t'm)	1
Metallurgy 3	2		

Summer Work.

Students are required to join the Engineering Camp for field-work in surveying between their second and third years.

During the summer session at the close of the third year all students are required to carry out assigned field-work in structural geology and to visit and study under supervision of instructors typical mining or metallurgical plants. Owing to the proximity of Halifax to the principal mining centres, a student's travelling expenses in carrying out this work are relatively small.

Thesis.

Fourth year students are required to prepare a thesis upon some mining or metallurgical topic. The object is to acquaint the student with the general methods of scientific research, and to give him a measure of ability in making a detailed practical report upon mines or works in actual operation.

The Thesis will probably fall into one of three classes:

(1.) For students wishing to specialize in metal mining, the paper will treat either of some metalliferous mine and its operation, or some problem in ore dressing. If the former, the study will include the structure and economic geology of the locality, the best method of working for that particular deposit, design for mill, if the operations have not begun ,or a plan and specifications of the works, if already established. If an ore dressing problem is studied, the thesis will treat of such subjects as the combination of graded crushing, jigging, water classification, table concentration, etc., which will give the best results at the lowest cost on any special ore which may be selected as offering special difficulties.

(2.) For students specializing in coal mining the thesis will usually take the form of a detailed report on the operation of some colliery which may be selected as typical of modern practice, or of some coking or coal washing plant.

(3.) For students wishing to specialize in metallurgy, the thesis will under ordinary circumstances take the form of a special research in assaying or some metallurgical method, or in metallography. If desired, the student may take up the study of some of the departments of a steel works, such as the operating of a blast furnace, an open hearth furnace, a converter, a rolling mill, etc.

The work of the thesis is in part interwoven with the ordinary classes of the fourth year, and some of the field, laboratory and library work of these classes will bear directly upon it. The beginning of the study will be made during the summer vacation preceding the fourth year, at the close of the regular summer session. Problems connected with the thesis will be discussed in regular conferences, held at stated intervals with the instructors in Mining, Metallurgy and Geology, and occasionally other members of the Faculty.

B. E.—with Distinction.

Candidates for the degree of Bachelor of Engineering, who have shown special excellence in the classes prescribed for their course, including either French or German, will be declared to have obtained the degree With Distinction, or With Great Distinction, according to the standard of excellence they have reached.

Elective Courses.

General students may, with the consent of the Faculty, take any class or group of classes which suits their purpose. Encouragement is given to persons engaged in general mining to attend the College, and take such classes as may enable them to conduct their work to greater advantage and safeguard their property.

Regulations.

Matriculation.

Candidates for the degree in Engineering must pass the Junior or Senior Matriculation. For admission to the first year of a course leading to a degree, a candidate must pass in at least three of the four subjects required for Junior Matriculation in Engineering; and he must pass in the remaining subject before he enters upon the second year of his course. Candidates who take the Senior Matriculation examination, and reach the standard required in this Faculty in Mathematics, Chemistry (including laboratory work), English, and French or German, shall be exempted from these subjects, except the writing of

themes in English in the first year of their Engineering course. Candidates who pass the Senior Matriculation by certificate are not exempt from Chemistry.

Attendance and Class-work.

The regulations regarding attendance and class-work are the same as in the Faculty of Arts and Science(Calendar, p. 38).

Order of Classes.

A student who has failed to pass in an elementary or preliminary class may enter a more advanced class only by permission of the Faculty: and such permission, if granted, may be withdrawn if the instructor of such advanced class report unfavorably upon the work being done by the student so admitted.

Examinations and Class Distinction.

The regulations regarding Sessional and Class Examinations and Class Distinction are the same as in the Faculty of Arts and Science (Calendar, pp. 38-39).

Supplementary and Special Examinations.

A student who fails to secure a position on the Pass List in any class, but who has otherwise completed his class-work, shall be allowed a Supplementary examination in such class at the beginning of the next session of his attendance, on the day appointed in the University Almanac; or he may present himself at the ordinary Christmas and Spring examinations of that session. But no student shall be granted a Supplementary examination until the prescribed class exercises have been completed.

No award of Class Distinction is made on the results of a Supplementary examination.

A student wishing to appear as a candidate at a Supplementary examination, or in lieu thereof at a Christmas or Spring examination, or at a Special examination as provided below, shall be required to give notice of his intention to the Secretary of the Faculty at least one week before the date of such examination, the fee to be remitted with such notice.

A student who fails to appear, or to pass, at a Supplementary examination, in any class, may be required to attend such class again; or he may be required to pursue, under the direction of the Instructor, such part of the studies of the class as the Faculty may determine, and in this case he may then be granted a Special examination, either at the end of the session or at the beginning of a subsequent session. For fees for Supplementary and Special Examinations, see p. 83.

Prizes and Scholarships.

Entrance Scholarships.

Sir William Young and Professors' Scholarships. —These Scholarships, each of the value of Fifty Dollars, are awarded to qualified students entering one of the courses in Arts, Science or Engineering, leading to a degree. In order to qualify for a scholarship a student must satisfy the requirements for matriculation, either by passing the matriculation examination or by presenting a certificate accepted as an equivalent. The award is made on the recommendation of one of the following academies or schools. In making a recommendation the staff is required to have regard to the candidate's standing only in the subjects required for matriculation.

The privilege of recommending a scholar in 1907, and probably 1908, has been granted to Prince of Wales College, Pictou Academy, Truro Academy, Halifax Academy, Sydney Academy, and the New Glasgow High School. To the following the privilege is also given.—In 1907, Kentville Academy, Shelburne or Liverpool Academy, Sydney Mines High School, Annapolis or Digby Academy, Guysboro Academy, Stellarton or Oxford High School; in 1908, Amherst Academy, Lunenburg Academy, Yarmouth Academy, Windsor Academy, North Sydney High School, Bridgewater or Parrsboro High School. This list will be revised each year. When a nomination is offered to one of two institutions, the candidate standing highest will be appointed.

The Mackenzie Bursary.—The Mackenzie Bursary, of the value of Two Hundred Dollars, will be offered annually in accordance with the following condition of bequest: Competitors of the name Mackenzie, Maclean or Fraser, who obtain Distinction in the Junior Matriculation, will be given the preference. Should no candidate of the name of Mackenzie, Maclean or Fraser, obtain Distinction, the Bursary will be awarded to the candidate highest among those obtaining Distinction.

The Bursary is payable in four annual instalments; and the payment of any instalment is conditional on the bursar's attending the classes required for undergraduates, and making satisfactory progress therein.

Waverley Prize.—This prize, the interest of an endowment of $1,000, will be awarded annually to the student of the second year who stands highest in Mathematics 2.

CAPE BRETON ALUMNI BURSARY.—The Cape Breton Branch of the Alumni Association offers for competition, annually, to undergraduates from Cape Breton in the third year of the course in Mining Engineering a bursary of the value of Fifty Dollars. The bursary will be awarded to the undergraduate from Cape Breton who stands highest in the subjects of the third year, provided his standing is considered satisfactory by the Faculty.

MINING SOCIETY SCHOLARSHIP.—The Mining Society of Nova Scotia offers for competition, annually, to undergraduates in the third year of the course in Mining Engineering, a scholarship of the value of Fifty Dollars. The scholarship will be awarded to the undergraduate who stands highest in the subjects of the third year, provided the standing is considered satisfactory by the Faculty, the winner of the Cape Breton Alumni Bursary being excluded.

Fees.

All Fees are payable in advance, and until the Fees are paid the student will neither receive credit for attendance upon any class, nor be admitted to any examination.

The fees payable each year by students who follow the prescribed courses in Engineering are given in the following schedule. These amounts include the Registration fee and entitle to attendance on all compulsory classes. For non-compulsory classes, as French and German in the Mining course, the usual class fee is required in addition:

*FOR CIVIL ENGINEERING.

First Year	$48 00
Second Year	60 00
Third Year	55 00
Fourth Year	55 00

*FOR MINING ENGINEERING.

First Year	$42 00
Second Year	45 00
Third Year	65 00
Fourth Year	65 00

Students of Engineering who do not follow the prescribed courses pay the required Registration fee and the class fees for the classes they select. These fees and those required for the graduation diploma and supplementary and special examinations are as follows:—

FOR REGISTRATION.

Registration, payable by students taking only one class	$ 3 00
" " " " more than one class	5 00

*All students taking classes involving laboratory work are required to make a deposit of Three Dollars on entering the class. This amount, or if charges for breakage or materials used have been incurred, what remains of it after such charges have been deducted, is returned to the student at the end of the laboratory course.

FOR TUITION.

Railway Economics	$ 3 00
Structures 1	8 00
Drawing 1, Metallurgy 4, 5, Structures 2, Surveying 1 and 2	12 00
Any other class in Engineering subjects	6 00

FOR EXAMINATIONS.

Supplementary examination in one subject	$ 2 00
" " more than two subjects	5 00
Special examination in one subject	4 00
" " more than two subjects	10 00

FOR CERTIFICATE AND DIPLOMA.

Special Certificate of Standing	$1 00
B. E. diploma	5 00

For the fees payable for classes in the Faculty of Arts and Science, see Calendar, p. 48.

Expenses.

The principal items of a student's necessary expenditure are living expenses, fees and the cost of books. Board can be obtained in the city at from three and a half to five dollars a week. Frequently, small groups of students, by forming themselves into "clubs," reduce this item of expenses of a student may be estimated to range from expenditure below the former figure. The total necessary $175 to $250 a session. This estimate does not include the cost of summer field-work.

Evening Schools.

Evening Schools, in affiliation with or under the auspices of the University, have been established at certain industrial centres in the Province, in order to enable men engaged in industrial pursuits to acquire a better theoretical knowledge of their work, and to extend to others who desire it, opportunities for self-improvement. These schools will in no case duplicate instruction available in night schools or in the government mining schools, where these have been established, but will afford men who have attended these institutions, and other students similarly qualified, opportunities for further study. Evening schools have been in operation during the year at Sydney, Sydney Mines, Westville, New Glasgow and Springhill. Full information regarding these schools may be found in the Evening School Calendar. The Calendar of the Sydney Evening School may be had on application to Mr. C. D. Livingstone, Sydney, C. B.; that of the Evening Schools at Sydney Mines, Westville, New Glasgow and Springhill may be had on application to the Secretary of the Faculty of Engineering, Dalhousie College.

COURSES OF INSTRUCTION.

Details of the work of classes in MATHEMATICS, PHYSICS, CHEMISTRY, GEOLOGY, MINERALOGY, ENGLISH, FRENCH and GERMAN will be found under Courses of Instruction in the Faculty of Arts and Science (Calendar, pp. 49-72). The technical classes required in the Engineering courses are described below.

I. DRAWING.

Lecturer.....PROFESSOR E. BRYDONE-JACK, C. E.

1. MECHANICAL DRAWING.—*Lectures two hours and drawing fourteen hours per week.*

All engineering students are required to take this course in the first year. The work includes the use and care of drawing instruments, lettering, construction of scales, coloring, geometrical exercises, elementary projections, perspective, shades and shadows, drawing of simple objects to scale from measurements, tracing and blue printing.

2. DESCRIPTIVE GEOMETRY.—*Lectures three hours per week, drawing five hours per week during second term.*

Problems in the relations of straight lines and planes in space, tangencies, intersections and developments, surfaces of revolution, warped surfaces. (Theory and Plates.)

II. CIVIL ENGINEERING AND SURVEYING.

Professor.....E. BRYDONE-JACK, B. A., C. E.

SURVEYING.

1. *Lectures three hours per week; nine hours per week first term, drawing four hours per week second term.*

Instruction is given in the use and adjustment of the various surveying instruments, also in plane land surveying by chain, compass, and transit and level, city surveying, hydrographic surveying, topographical and mine surveying. The work includes theory and practice in field work and maps, and conventional representation of topographical features.

2. *Lectures two hours per week; field work ten hours per week first term, drawing seven hours per week second term.*

This course includes instruction in the preliminary and location surveys of railroads, and practice in running in curves, setting slope stakes, etc., the measurement of quantities in excavation and embankments, construction work, switches and crossings, track work and tunneling. The field work includes contour surveys,

hydrographic surveys and topographical surveys. The drawing work consists in making the maps of the surveys and a short line of railway, the estimation of quantities and calculation of haul and costs. In addition to the railroad work instruction is also given in highway construction, showing the methods of constructing and draining country roads and city streets and pavements.

3. *Lectures one hour per week; drawing four hours per week first term, field work and drawing two hours per week second term.*

Instruction is given in geodetic surveying (triangulation systems, measurements of base lines, etc.), the determination of latitude, longitude and time as applied to the survey of large tracts of land where the curvature of the earth must be taken into account.

During the first term each student is required to take complete records and make full drawings of the work of the previous engineering camp with estimates of quantities and costs.

MECHANICS.

Lectures three hours per week throughout the session; drawing one hour per week second term.

Shearing forces and bending moments in simple and continuous beams under uniform and concentrated loads, and the applications to designs of beams and girders—Investigation and design of long columns, Investigation and design of shafts, pulleys, etc., Kinematics of Machinery and general treatment of machines, Transmission of power by gearing and belts with designs for same —Calculation of moments of inertia and radii of gyration.

STRUCTURES.

1. *Lectures two hours; laboratory two hours per week; second term.*

The course first treats of the various materials used in engineering structures, the properties, manufacture and costs of the various kinds of hydraulic cements, mortar, bricks, iron, steel, timber and stone. Elasticity and strength of these materials under different conditions. Safe loads and working stresses, together with laboratory tests on materials for sale or found in Nova Scotia. This is followed by a course on foundations, crib work, coffer dams, caissons, pneumatic caissons, together with the theory of earth pressure and design of retaining walls, culverts, piers, and abutments.

2. *Lectures three hours per week, drawing and design twelve hours per week.*

Calculation of stresses and design (analytically and graphically) of wooden and iron roof trusses, highway and railroad bridges (simple bridges, cantilever bridges, draw and suspension bridges) for uniform loads, excess loads and wheel concentrations, calculation of stresses and design of metallic arches and masonry arches.

RAILWAY ECONOMICS.

Lectures one hour per week; first term.

Organization of railroad companies and financing. Effect of grades, curvature and distance on the operating expenses. Relation of operating expenses to gross revenue and fixed charges. Relation of probable traffic to centres of population and gross revenue. Effect of change of route on the gross revenue and operating expenses. Costs of betterment of existing lines in relation to saving in operating expenses and increase of gross revenue.

III.—HYDRAULICS AND HYDRAULIC ENGINEERING.

Lecturers ..... PROFESSOR E. BRYDONE JACK.
PROFESSOR— —

1. *Lectures two hours per week.*

Principles of hydraulics (statics and dynamics). Laws of flow through orifices, over weirs in open and closed channels. Laws of flow through long pipes and calculation of discharge and sizes of pipe. Guaging of streams.

Parchment area. Relation of rainfall and runoff. Discharge curves of streams. Location of water power plants. Hydraulic motors. General theory of turbines. Impulse turbines. Reaction turbines. Design of water power stations. Development of water powers. Typical water power plants.

Elements of magnetism and electricity. Principles of dynamo-electric machines. Production of direct current. Types of of machines. Characteristic curves. Theory of alternating current. Alternating current generators. Transformers. Synchronous and induction motors. Transmission of electric current. —PROFESSORS JACK and ————

2. *Lectures two hours per week throughout the session; drawing and design three hours per week second term.*

Principles of Sanitary Engineering and Sewerage. Water supply for cities and towns. Storage of water from drainage areas. Canal work. Piers and docks.—PROFESSOR JACK.

IV.—METALLURGY.

Professor.....

1. ASSAYING.—*Tuesdays and Thursdays, 2—6 P. M., during second term.*

This course consists of introductory lectures at the beginning of the second term, and of laboratory work during the remainder of the term. Special methods are given for the assay of ores peculiar to Nova Scotia. The aim in the wet methods is to make the student familiar, after his training in exact gravimetric and volumetric analysis, with quick commercial processes, such as are universally employed in the laboratories of industrial works.

The following work is required:—

DRY METHODS:—Fire assay of lead ores. Scorification and crucible assay for gold and silver. Fire assay of base and Dore bullion. Evaporating power of coal.

WET METHODS:—Volumetric analysis for lead, copper, arsenic, antimony, iron and manganese in ores and slags. Rapid method for analysis of sulphur in ores and matte, and in coal or coke, Proximate analysis of coal or coke.

TEXT BOOKS: R. W. Lodge, *Notes on Assaying:* Low, *Technical Methods of Ore Analysis.*

2. NON-FERROUS METALLURGY.—*Mondays, Wednesdays and Fridays, 12—1 P. M.*

This course consists entirely of lectures and reading.

The following metals are taken up in order:—copper, lead, gold, silver, zinc and aluminium. Considerable time is spent at the beginning of the course in thoroughly describing metallurgical machinery, furnaces, and processes in general, before entering upon the metals in detail. The students are constantly referred to the trade catalogues for types of modern metallurgical machinery, and are required to make abstracts of articles of interest in the standard periodicals. The aim of the course is to acquaint the student with the methods in actual use to-day, and abandoned methods are considered only when necessary to trace the development of a modern process.

BOOKS FOR REFERENCE: Schnabel *Handbook of Metallurgy;* H. O. Hofman, *Metallurgy of Lead:* E. D. Peters, *Modern Copper Smelting;* T. K. Rose, *Metallurgy of Gold;* H. F. Collins, *Metallurgy of Silver;* J. W. Richards, *Aluminium;* W. R. Ingalls, *Metallurgy of Zinc.*

3. METALLURGY OF IRON AND STEEL.—*Mondays and Wednesdays, 10—11 A. M.*

This course consists chiefly of lectures and reading. The aim in this course is to give the student a very thorough foundation in the chemistry and calorific equations of the different metallurgical processes employed in the iron and steel industry, as well as a detailed knowledge of the practical operation of each process. Considerable time is spent upon the structure of steel, segregation, influence of foreign elements, heat treatment, and microscopical examination. The practical aspects of welding, tempering, working and casting of steel are fully considered. The student is required to make abstracts of articles of interest in this branch of metallurgy as they appear in the Trans. A. I. M. E., Jour. I. and S. Inst., and Iron Age.

BOOKS FOR REFERENCE: H. H. Campbell, *The Manufacturer and Properties of Iron and Steel:* H. O. Hofman, *Notes on Iron and Steel:* F. W. Harbord, *The Metallurgy of Steel:* H. M. Howe, *Metallurgy of Steel:* A. H. Sexton, *An outline of the Metallurgy of Iron and Steel.*

4. METALLURGICAL LABORATORY.—*Thursdays, 9 A. M.—6 P. M. Fridays, 2—6 P. M.*

This course consists entirely of laboratory work of a practical nature. The student duplicates metallurgical and ore dressing operations on a small scale. In the laboratory the student becomes accustomed to handling machinery and to the use of ordinary tools. The student is drilled as much as possible in the methods of simple scientific research. The laboratory work, wherever possible, tends toward the solving of some mining or metallurgical problem that occurs in this Province, and the individual theses of this department have the same end in view. Table concentration, jigging, hydraulic classification tests, and reverberatory roasts are made on lead, copper, silver, and gold

ores. Stamp mill runs are made on local ores, in great detail, in an experimental mill especially designed for a wide range of variation of adjustment. Comparative graded crushing tests are made with various crushers and crushing rolls on different ores.

The following metallurgical laboratory tests are required:—Barrel chlorination; free milling test on gold ore; oxidizing roast; best selecting process; silver chloridizing roast; pan amalgamation; percolation and slime agitation treatment of an ore with cyanide solutions. Considerable attention is given to cyanide tests. Comparatively large quantities of stamp mill tailings from the experimental stamp mill runs are separated by water classification into "sharps" and "slimes," the sharps being treated by percolation, and the slimes by agitation. Comparisons are also drawn between this method of treating stamp mill tailings and the method of concentrating the tails with the subsequent cyanidation of concentrates and the discarding of the poor tailings, and with the process of sliming the whole tailings product and treating it by slime agitation. In all these tests the student is taught explicitly the principles of testing for a process. He is required to assay all the original ores and all products, and to hand in correct and neat reports in approved forms.

5. METALLOGRAPHY.—This course consists of a few lectures and an extended amount of laboratory work. The course is entirely voluntary, and the lectures by appointment. The nature of the instruction is primarily for research students, and those specializing in Iron and Steel. The laboratory work consists of a preliminary training in the determination of the freezing points and microstructure of a system of amalgams, alloys, and heat treatment of steel with simultaneous examination of the specimens under the microscope, followed by a more or less extended special research.

BOOKS OF REFERENCE: Hiorn's *Metallography*; H. M. Howe. *Iron, Steel and other Alloys.* F. O. Osmond and J. E. Stead, *Microscopical Examination of Iron and Steel.*

6. ELEMENTARY METALLURGY OF IRON AND STEEL.—*Tuesdays and Thursdays, 11—12 A. M.*

This course is intended for students in Engineering in departments other than Mining. The theory and practical operations in the manufacture of steel are not entered upon more fully than is absolutely necessary to give the student a clear knowledge of the production of steel. The major part of the time will be spent upon the structure, homogeneity, specifications, and heat treatment of steels, the influence of foreign elements upon steel, and the physical testing of steels.

V.—MINING.

Professor.....

1. GENERAL MINING.—*Mondays, Wednesdays and Fridays, 9—10 A. M.*

This course consists chiefly of lectures and reading with illustrative practical problems wherever these are possible. The ground covered is very broad and is treated under the general heads of Prospecting, Boring, Breaking Ground, Blasting, Timber-

ing, Tunnelling, Sinking, Methods of Working, Hoisting, Haulage, Pumping and Ventilation.

The most that the course can do is to acquaint the student with the theory of general mining, and it in no way prepares him for practical mining, except to give him variety and breadth of information. Current periodicals are reviewed and abstracted, and much effort is spent in trying to arouse in the student a keen interest in up-to-date operations in other parts of the world. Special stress is laid upon the methods of Mining employed in Nova Scotia. All students are strongly urged to engage in practical work during the summer vacation.

BOOKS FOR STUDY: C. LeNeve Foster, *Ore and Stone Mining*; Ih'seng *Manual of Mining*; A. Lupton, *Mining*; Galloway, *Lectures on Mining*

2. ORE DRESSING AND CONCENTRATION.—*Tuesdays and Fridays, 10—11 A. M.*

This course consists chiefly of lectures and reading, in direct conjunction with the student's work in the metallurgical laboratory, and of thesis work in the fourth year. The aim of the course is to acquaint the student in as thorough a manner as possible with concentrating machinery, the laws of crushing, screen sizing, classifying, jigging, amalgamating, etc., and the cost, planning and construction of mills. Great stress is laid upon the testing of an ore for a process, i. e. the obtaining of some combination of different dressing operations which shall make the mill-treatment of a given ore a financial success. The course is directly connected with Metallurgy 4, where the important types of machinery are available for practice.

BOOKS FOR STUDY; R. H. Richards, *Ore Dressing*; Henry Louis, *Handbook of Gold Milling.*

3. COAL MINING.—*Tuesdays and Thursdays, 9—10 A. M. for first term.*

This course consists almost wholly of lectures and reading on Ventilation, Modes of Working and Lighting. Haulage, Sinking, Breaking Ground, Winding, Timbering and Pumping are considered only in their special aspects which bear particularly on coal mining. The student is required to work out many practical problems, and is also obliged to write out fully some of the more advanced examination papers given in recent years by the Provincial Board for managers, underground managers and overmen. Special lectures are given from time to time by specialists in Coal Mining.

BOOKS FOR READING: Hughes, *A Text Book of Coal Mining*; W. Galloway, *Lectures on Mining*; Kerr, *Practical Coal Mining*; Sawyer, *Accidents in Mines*; Pamely, *Colliery Manager's Handbook.*

4. FIELD WORK IN MINING AND GEOLOGY.—The session of this class is held for a period of five to six weeks each year, commencing shortly after the Spring Convocation.

The class will first make a detailed structural study of a limited area, to gain independence in field work. The remainder of the time will be spent in visiting mining districts in various parts of the Province, and studying the economic conditions and operations. Coal and gold mines in different districts are visited, and detailed notes and sketches made of the mining and milling practice at each place. Blast furnace, open hearth, and rolling mill operations are closely studied and careful notes made of

everything observed. Special attention will be paid to constructive criticism of mining and milling practice, and to the relations between these and the geology of the district. Each student must hand to the Professor of Mining, on or before October 15th, in his fourth year, a detailed written report based upon his field notes made in this session, together with his field note-book, and any maps or sketches which he may have, bearing upon the problems.

VI.—ENGINEERING LAW.

Lecturer..... .....PROFESSOR BENJAMIN RUSSELL.

The lectures will deal with the law of Contracts and, for students in Mining with such topics as license to search for minerals, liability of owners for negligence of miners, etc.

Faculty of Law.

THE PRESIDENT.

R. C. WELDON, Ph. D., K. C. — W. B. WALLACE, LL. B., J. C. C.
B. RUSSELL, D. C. L., J. S. C. — W. F. O'CONNOR, B. C. L., LL. B.
H. MCINNES, K. C., LL. B. — G. PATTERSON, A.M. LL. B., J.C.C.

Correspondence should be addressed to *Dean Weldon, Law School, Dalhousie College.*

COURSES OF LECTURES.

The following Courses of Lectures to be given in the Session of 1907-08, will begin on the 3rd of September, 1907, and end on the 19th February, 1908.

CONSTITUTIONAL AND INTERNATIONAL LAW.

(George Munro Professorship.)

Professor ..... R. C. WELDON, K. C.

CONSTITUTIONAL LAW.

Two lectures per week. Subjects of lectures:

Constitutional Conventions. Royal Prerogative. *Lex Parliamenti.* Colonial Laws Validity Act. Select Cases; Cartwright's Cases.

CONSTITUTIONAL HISTORY.

Two lectures per week. Subjects of lectures:

Feudalism in England. Origin and growth of the Two Houses of Parliament. Origin and Development of Trial by Jury. Origin and development of the Courts of Law. The Royal Prerogative. History of the Law of Treason. The Liberty of the Person. The Liberty of the Press. History of Party Government. Origin and Development of the Cabinet System. History of the Reform Bills. The Written Code of the Constitution. *Magna Charta.* Petition of Right. Bill of Right. *Habeas Corpus.*

TEXT BOOK: Taswell-Langmead's Constitutional History of England.

CONFLICT OF LAW.

One lecture per week. Subjects of lectures:

Leading rules as to (1) personal capacity, (2) rights of property, (3) rights of obligation, (4) rights of succession, (5) family

rights, (6) forms of legal acts. The use of courts by strangers. The effect of foreign judgments. Select cases upon the Conflict of Laws.

TEXT BOOK: Nelson's Private International Law.

INTERNATIONAL LAW.

One lecture per week. Subjects of lectures:

History of North Atlantic Fisheries. Convention of London, 1818. Territorial Waters. Treaty of Washington, A. D., 1871. Consuls. Commercial Treaties. Naturalization. Extradition. Blockade. Contrabrand. Intervention. Capture. Prize Courts.

TEXT BOOK: Hall's International Law.

CRIMES.

Lecturer.....W. B. WALLACE, LL. B., J. C. C.

Two lectures per week. Subjects of lectures:

Sources of Criminal Law. Offences against Public Order, internal and external. Offences affecting the administration of Law and Justice. Offences against Religion, Morals, and Public Convenience. Offences against the Person, and Reputation. Offences against rights of property and rights arising out of Contract and offences connected with trade. Procedure. Proceedings after conviction.

TEXT BOOK: The Canadian Criminal Code, 1892.

SHIPPING.

Lecturer .....PROFESSOR WELDON.

Subjects of lectures:

Registration of Shipping. Transfer. Mortgage. Bottomry and Respondentia. Charter Party. Bills of Lading. Collision. Damage. Salvage. Freight. Towage. General Average.

CONTRACTS.

Professor.....B. RUSSELL, M. A., D. C. L., J. S. C.

Two lectures per week. Subjects of lectures:

Definition of terms: agreement, consideration, proposal, acceptance, promise, &c. Persons who may contract. Principal and agent. Disabilities arising from infancy, coverture, lunacy, intoxication, &c. Express and implied contracts. Verbal and written contracts. Specialties. Statutory requirements as to the validity and authentication of contracts; Statute of Frauds. Causes vitating agreements; mistake, fraud, duress, &c. Discharge of contracts, recision, performance, payment, release, merger, &c. Leading cases.

TEXT BOOKS: Finch's Contracts, and Anson on Contracts.

EQUITY JURISPRUDENCE.

Lecturer ..... PROFESSOR RUSSELL.

One lecture per week, extending over two years. Subjects of lectures:

Trusts, Mortgage, Frauds, Mistake. Specific Performance of Contracts, Administration of Assets, Election, Account, Discovery, Injunction.

TEXT BOOK: Smith, H. A.

SALES OF PERSONAL PROPERTY.

Lecturer ..... PROFESSOR RUSSELL.

One lecture per week. Subjects of lectures, [1908-9]:

Capacity to buy and sell. Executed and executory contracts of sale. Statute of Frauds. Lord Tenterden's Act. Rules as to passing of property. Reservation of *jus disponendi*. Stoppage *in transitu*. Condition. Warranty, express and implied. Remedies of seller and buyer.

TEXT BOOK: Benjamin on Sales.

NEGOTIABLE INSTRUMENTS.

Lecturer ..... PROFESSOR RUSSELL.

One lecture per week. Subjects of lectures, [1907-08]:

Formal Requisites, Consideration. Indorsement and Transfer Real and Personal Defence. Over-due Paper. Notice of Dishonor Protest.

TEXT BOOK: McLaren on Bills.

EVIDENCE.

Lecturer ..... W. B. WALLACE, LL. B. J. C. C.

One lecture per week. Subjects of lectures, [1908-9]:

Nature of proof. Production and effect of Evidence. Relevancy Instruments of Evidence.

TEXT BOOKS: Greenleaf on Evidence; Judicature Acts and Rules.

AR TNERSHIP AND COMPANIES.

Lecturer ..... W. B. WALLACE, LL. B., J. C. C.

One lecture per week. Subjects of lectures, [1907-8]:

Constitution. Liability of partners *inter se* and to third persons. Change of firm. Retirement of partners. Disolution. Mining ventures. Joint-stock Companies. Canada Joint-Stock Companies Act.

TEXT BOOK: Lindley on Partnership.

PRACTICE AND PROCEDURE.

Lecturer .....MR. HECTOR MCINNES, LL. B.

Subjects of lectures:

Judicature Act and Rules, General Principles of Pleading, and Rules of Practice.

Candidates for the Degree of LL. B. are not required to attend lectures or take the examination in Procedure.

TORTS.

Lecturer... ....PROFESSOR WELDON.

One lecture per week. Subjects of lectures:

Definitions. Torts considered with reference to Crime and Contracts. Deceit. Slander and Libel. Malicious Prosecution Conspiracy. Assault and Battery. False Imprisonment. Enticement and Seduction. Trespass to Property. Conversion. Nuisance. Negligence.

TEXT BOOK: Bigelow, or Pollok.

REAL PROPERTY, (First Year.)

Lecturer.....MR. W. F. O'CONNOR, B. C. L., LL. B.

One lecture per week. Subjects of lectures:

Estates in lands. Seisin. Limitation of present and future estates in lands. Joint tenancies and tenancies in common. Equitable estates in lands.

TEXT BOOKS: Williams on Real Property. and Challis on Real Property.

WILLS, (Second Year.)

Lecturer.... ..... MR. W. F. O'CONNOR, B. C. L. LL. B.

One lecture per week. Subject of lectures:

Origin of Wills. The Statute of Frauds as affecting Wills. Form and characteristics of instrument. Personal disabilities of testators. What may be devised or bequeathed. Execution, publication, revocation and republication of Wills. The Wills Acts of the various Maritime Provinces. Probate Court practice.

TEXT BOOK: Hays and Jarman on Wills.

Admission of Students.

(1.) Students may enter the University by (*a*) entering their name in the Register, and (*b*) paying the prescribed fees.

(2.) Students who wish to obtain University Degrees must become undergraduates. They may become undergraduates by (*a*) passing the Matriculation Examination of the Arts Faculty or a recognized equivalent, or (*b*) produc-

ing certificates of Articled Clerkship, or the like, in cases where they rely on having passed the preliminary law examinations in their several provinces, and (*c*) entering their names on the Register as Undergraduates.

(3.) Students, who are not undergraduates, are classed as General Students.

Degree of Bachelor of Laws.

(1.) All candidates for the Degree of LL. B., are required to pass the Matriculation Examination of the Arts Faculty, or a recognized equivalent, to attend not less than five-sixths of the lectures given in each subject of the Course of Study, to pass the prescribed Examinations in the subjects of the three years Course of Study, and to argue at least two cases in the Moot Court.

Students presenting themselves for the first time to register as undergraduates in law must submit to the Dean their diplomas or certificates to establish their qualifications as graduates, undergraduates, or enrolled law students, respectively. Without such diplomas or certificates students cannot be registered as Undergraduates in law.

(2.) Undergraduates of other Law Schools may, on producing satisfactory certificates of standing, be admitted to similar standing in this Law School if they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the course on which they enter in this University, they may be required to take extra classes.

Courses of Study for the Degree of LL. B.

First Year.

1. Real property.
2. Crimes.
3. Contracts.
4. Torts.
5. Constitutional History.

Second Year.

1. Equity.
2. Partnership and Companies.
3. Negotiable Instruments.
4. Constitutional Law.
5. Shipping.
6. Wills.

Third Year

1. International Law.
2. Conflict of Laws.
3. Evidence.
4. Equity.
5. Sales of Personal Property.

The Faculty urgently recommend that students devote their whole time during Sessions to the work of the School, experience having proved that students who undertake office work in addition to the work of their classes, receive comparatively little advantage from the lectures.

Sessional Examinations.

(1.) The Sessional Examinations will begin next Session on February 20th, 1908

(2.) Students are forbidden to bring any book or manuscript into the Examination Hall, except by direction of the Examiner, or to give or receive assistance, or to hold any communication with one another at the examinations. If a student violate this rule, he shall be excluded from the Sessional Examinations of the session, and such other penalty shall be imposed as the Faculty may determine.

(3.) If an Undergraduate fail to pass in one or two subjects at the Sessional Examinations, he shall be allowed a supplementary examination in such subject or subjects at the beginning of any subsequent session.

(4.) If an Undergraduate fail to pass in more than two subjects at any Sessional Examination, he shall lose his Session.

(5.) Undergraduates who wish to present themselves at a Supplementary Examination must give notice addressed to the Secretary of the Faculty, Dalhousie Law School, Halifax, on or before August 26th, 1907.

(6.) The Supplementary Examinations for the present year will begin September 4th, at 3 P. M. Fee $5, payable on the day of the Examination.

Moot Courts.

Moot Courts are held weekly.

The case to be argued is stated by the Professor or Lecturer who is to preside. Every candidate for a degree shall be required to take part in at least two arguments at the Moot Court. The senior counsel on either side shall file briefs with the Dean one day before the day on which the case is argued. A record is kept of the values assigned to the arguments made, and these values may be considered by the Faculty in recommending a candidate for his degree.

Fees.

The following are the fees payable by students of the Faculty of Law. *They are in all cases payable in advance.*

Students are requested to pay their Class Fees and sign the University Register on Tuesday, 3rd September, 1907, in the office of the Law School.

Registration Fee, payable only by General Students	$ 2 00
Fee for each class attended, per Session, payable by General Students	10 00
Fee for each class attended, per Session, payable by students of the Affiliated Course	6 00
Fee for classes of the First Year, payable by undergraduates	40 00
Fee for the classes of the Second Year, payable by undergraduates	40 00
Fee for the classes of the Third Year, payable by undergraduates	40 00
Fee for LL. B. diploma, which is payable before the final examination, and will be returned in case of failure	10 00
Fee for the Supplementary Examination	5 00

Students of any year are permitted to attend lectures in the subjects of an earlier year without extra charge.

Students will not hereafter be admitted to the Lecture Rooms unless they have paid their class fees.

Faculty of Medicine.

THE PRESIDENT, (*ex officio.*)

GEORGE L. SINCLAIR, M. D.	H. H. MACKAY, M D.
A. W. H. LINDSAY, M. D., C. M.	MURDOCH CHISHOLM, M. D.
ANDREW J. COWIE, M. D.	NORMAN F. CUNNINGHAM, M. D.
ALEXANDER P. REID, M. D.	JOHN W. MACKAY, M. D.
MATTHEW A. CURRY, M. D.	A. STANLEY MACKENZIE, PH. D.
LOUIS M. SILVER, M. B., C. M.	E. V. HOGAN, M. D.
FRED. W. GOODWIN, M. D., C. M,	J. G. MCDOUGALL, M. D., C. M.
F. U. ANDERSON, M. R. C. S., Eng.	DANIEL MCINTOSH, M. D.
EBENEZER MACKAY, Ph. D.	R. A. H. MCKEEN, M. D.
WILLIAM H. HATTIE, M. D.	W. B. MOORE, M. D., C. M.
GEORGE M. CAMPBELL, M. D.	W. H. SALMON, M. A.
NORMAN E. MACKAY, M. D.	A. L. MCCALLUM, B. Sc.

Dean of the Faculty: DR SINCLAIR.
Secretary of the Faculty: DR. LINDSAY.

Correspondence should be addressed:
"*The Secretary, Faculty of Medicine, Dalhousie College, Halifax.*

COURSES OF INSTRUCTION.*

1. Instruction is provided by the University in the following subjects of the Medical Curriculum:—

I.—CHEMISTRY.

(McLeod Professorship).

Professor ..... E. MACKAY, PH. D.
Demonstrator ..... H. J. CREIGHTON, M. A.

Medical students will be required to attend the University Courses in Chemistry known as **1 A** and **3**, as follows:

1 A. GENERAL CHEMISTRY.—*Mondays, Wednesdays and Fridays, 9—10 A. M.*

Measurement of mass, volume, pressure, temperature, heat; solids and liquids; gases and gas law; melting-points, boiling-

*It is to be distinctly understood that the program and regulations regarding courses of study and examinations contained in this Calendar hold good for year ending April 30, 1908 only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely for the whole four years of a student's course to the conditions now laid down.

points, solution, crystallization. Preparation and properties of common acids and alkalies; combustion, air, water, oxygen, hydrogen; fundamental laws of combination, atomic theory, Avogadro's law, formulæ, equations; chlorine; sulphur; nitrogen, argon; carbon; halogen group; dissociation, mass action; valence; periodic law; nitrogen group; isomorphism; electrolytic dissociation; potassium, sodium, ammonium; silver, copper, gold; electrolysis; atomic heat; calcium, strontium, barium; magnesium, zinc, cadmium, mercury; thermochemistry; borax; aluminium; carbon group; chromium; manganese; iron, nickel, cobalt, platinum, Some common organic compounds.

The lectures are illustrated as fully as possible by experiments. A tutorial class, attendance on which is in general optional, meets on Friday afternoons.

Every student is required to devote at least three hours a week to laboratory work.

The laboratory work is designed to make the student familiar with ordinary laboratory operations and to lead him to solve simple problems in chemistry by experiment. Several common inorganic substances are prepared and studied; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

BOOKS RECOMMENDED: Remsen, *Introduction to the Study of Chemistry;* Torrey, *Studies in Chemistry* (H. Holt & Co.)

3. MEDICAL CHEMISTRY.—*Autumn term: Saturdays, 9—10 A. M. Spring term: Tuesdays, Thursdays and Saturdays, 9—10 A. M. Laboratory: Tuesdays and Thursdays, 10—11 A. M., Fridays, 11 A. M.—12 M.*

Students entering this class must have taken Chemistry, 1 A, or an equivalent class in chemistry.

Class Work.—The subjects of study in the class include pure chemistry and the applications of chemistry to medicine.

Pure Chemistry: Review of the chemistry of the metals, noting especially compounds having medicinal or toxic properties, compounds of carbon—their purification and analysis; the paraffins and their chief derivatives; ethylene; acetylene; benzene and its chief derivatives.

Medical Chemistry: Air; water, its sanitary analysis and purification; adulteration of foods; the proximate principles of the body and of food; typical foodstuffs—as milk, flour, bread, meat; the blood; the digestive fluids and digestion; urine.

Laboratory Work.—All members of the class are required to devote at least three hours a week to laboratory work. This will consist of qualitative analysis, including the detection of the more commonly occurring poisons, the detection of adulterations in milk, simple quantitative exercises in the analysis of air and water, and the quantitative estimation of glucose, albumen and urea.

BOOKS RECOMMENDED: Roscoe and Harden, *Inorganic Chemistry for Advanced Students* (Macmillan & Co.); Remsen, *Compounds of Carbon, 4th edition* (D. C. Heath & Co.); Halliburton, *Essentials of Chemical Physiology* (Longmans.)

CHEMICAL LABORATORY.

The general laboratory is open to students in Medicine from 10 to 11 a. m., on Mondays, Tuesdays, Wednesdays and Thursdays, and from 10 a. m. to 12 m., on Fridays.

Laboratory students are allowed the use of all the more inexpensive reagents. They are required to provide themselves with the more expensive reagents as alcohol and ether, and they are charged with the value of the apparatus they have broken or injured.

All members of practical classes are required to keep a detailed record of their laboratory work. The character of this record is a factor in determining the standing of a student in the class lists.

II.—BIOLOGY.

Lecturer .....

Tuesdays, 2—4 P. M., Saturdays, 11 A. M.—1 P. M.

BOTANY.—The course in Botany will have special reference to the following subjects: Protoplasm and Plant-cells the Tissues and Tissue Systems of Plants, Morphology of the Plant-body, Plant Physiology, the Principles of Classification and the Laws of Distinction, the Protophyta (Schizophyceæ), the Phycophyta (Chlorophyceæ and Phæophyceæ), the Carpophyta (Rhodophyceæ, Ascomyceteæ and Basidiomyceteæ specially), the Bryophyta (Mosses and Liverworts), the Pteridophyta (Ferns, Horsetails and Clubmosses). the Anthophyta (specially the Coniferæ, Gramineæ, Orchidaceæ, Liliaceæ, Urticaceæ Labiatæ, Compositæ. Umbelliferæ, Rosceæ, Cruciferæ, Leguminosæ, Ranunculaceæ). The Morphology and life history (the anatomy, histology, and development) of at least two common or representative species of each group of plants above named, in minute detail.

General attention will be given to the native flora of the Province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study in Botany as indicated in Grade IX. of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscope sections, and the general dissection of plants, The use in class of a number of microscopes, will be granted the students under the care and direction of the Lecturer; but a hand lens, glass slides, cover glasses, scalpels and other apparatus or books necessary for each student, should be supplied by each for himself. Collections, notes, class-work and drawings of students will be estimated for incorporation into final class standing.

TEXT BOOK: *Principles of Botany*, by Bergen and Dav's (Ginn & Co.)

FOR REFERENCE: Special text books will be recommended in each sub-division of the subject during the course of the lectures and demonstrations.

ZOOLOGY.—The course in Zoology will consist of lectures supplemented by practical work.

The student will be expected to master the system of Zoology as contained in Shipley and McBride's Elementary Text-Book, parallel with the course of lectures expounding zoological principles and sketching local distribution of species and genera, and with the life-study or dissections of local species under the microscope or scalpel as follows:

1. Five specimens of the local lobosa; 2. One species each from any five of the following: The Foraminifera, Heliozoa, Radiolaria,

Flagellata, Choanoflagellata, Dinoflagellata, Paramoecium, Vorticella, Sporozoa; 3. Three species of marine, and three of Freshwater Sponges; 4. One species each of Hydra: the Campanularidæ, Plumularidæ, and Sertularidæ; Aurelia, Metridium; and the skeletons of Zoantharia and Alcyonaria; 5. A species each of the Platyhelminths and of the Nemathelminths; 6. Five species of local freshwater and marine Polyzoa and a Rotifer; 7. The common Starfish; 8. The common Sea-urchin; 9. An Earthworm; 10. A Lobster; 11. Entomostraca in water supply, and dissection of Grasshopper in detail; 12. Oyster, clam, or Mussel; 13. A Trout, Smelt, Herring or Cod. (Or No. 16 in full detail); 14. A Frog. (Or No. 16 in full detail); 15. A Pigeon. (Or No. 16 in full detail); 16. A Rabbit. (If in full detail for 12, 13, 14 and 15). The scarcity of any of the above during the season, or the abundance of other species may modify the list of species for dissection or life-study as may suit the circumstances most conveniently.

III.—MEDICAL PHYSICS.

Professor .....A. STANLEY MACKENZIE, PH. D.

Mondays, Wednesdays and Fridays, 11 A. M.—12 M.

There is no class given for Medical students only. They must attend the regular University course in Physics known as,

1. GENERAL PHYSICS.—In the work of this course a rapid survey of the whole subject of Experimental Physics is taken, the subjects treated being: Dynamics, Properties of Solids and Fluids, Sound, Heat, Electricity and Magnetism, Light and other forms of Radiation. The course is fully illustrated by experiments, and special attention is paid to the solution of problems, all students being required to hand in papers for correction and criticism. In the earlier part of this course especially, Medical students will be excused from attendance on days to be assigned in advance.

BOOKS RECOMMENDED: Watson, *Physics;* Jones, *Heat, Light and Sound;* Cumming, *Electricity treated experimentally.*

2. Students wishing to attend the above courses may do so either as General Medical Students without preliminary examination, or as regular Undergraduates in Medicine. In either case they must enter their names in the University Register at the beginning of the Session. By reference to pps. 21, 23 and 24, Undergraduates in Arts and Science will see how they may at the same time be registered with the Medical Faculty and secure the benefit of certain classes of the Arts and Science Courses, as regular Undergraduates in Medicine.

3. In other subjects the necessary classes may be attended at any other University or College recognized by the Senate.

4. Attendance on classes by those registered as General Medical Students will not qualify for Degree Examinations in this Faculty.

5. Certificates indicating less than 90 per cent. of attendance upon any class will not be accepted without valid reason for absence being shown.

The Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1907-1908 will begin on Thursday, August 29th, 1907, and end on Thursday, April 30th, 1908.

Degrees.

Two Medical Degrees are conferred by this University, viz., Doctor of Medicine (M. D.) and Master of Surgery (C. M.); but neither degree is conferred on any person who does not at the same time obtain the other.

Matriculation Examination.

1. Candidates for medical degrees must give evidence of having obtained a satisfactory general education, by presenting certificates of having passed, before entering on the course of study qualifying for the degrees, either the Preliminary Examination of the Provincial Medical Board of Nova Scotia, the Junior Matriculation Examination of this University, with Latin as one of the languages selected, or some other examination recognized by the Board as sufficient.*

2. The examinations recognized *pro tanto* by the Provincial Medical Board will be similarly recognized by this Faculty.

3. Candidates who may have passed in all but one of the subjects required for the Priliminary Examination of the Provincial Medical Board either before the Board's Examiners or at any of the recognized Examinations indicated above, provided they shall have made at least 25% in such subject, may enter as undergraduates, but will subsequently be required to comply with the Board's regulations as regards the remaining subject of examination before being admitted to the classes of the second year.

Degree Examinations.

1. Candidates for the degrees of M. D. and C. M. shall be required to pass two main examinations—the Primary and the Final M. D., C. M. Examinations—and to have

*All information in reference to Requirements for the Preliminary Examination of the Provincial Medical Board, Exemptions, etc., may be obtained on application to the Registrar of the Board, Dr. A. W. H. Lindsay, 241 Pleasant Street, Halifax.

satisfied at the dates of the examinations certain conditions as to fees, attendance on classes, etc. Tickets of admission will be issued to all candidates who have satisfied these requirements of the Faculty, which tickets shall be produced at each examination.

2. The Regular Degree Examinations will be held during the second and third weeks in April of each year.

3. At all examinations a minimum of 50% in each subject* will be required to obtain a *"Pass,"* except under the conditions specified on p. 114, sub sec. 4. Candidates making 75% or over in any subject shall be indicated in the published class lists as having *"Passed with distinction."* The names in the two divisions of the class lists and in the general pass lists shall be placed in simple alphabetical order.

4. Should a candidate fail to pass or to hand in a paper in any subject or subjects at the Regular Examinations, his fee will not be returned to him, but he will be permitted a *supplementary* examination in any subject or subjects on payment of $5.00 for each subject, with or without evidence of further attendance on said subject or subjects as the Faculty may direct.

5. A candidate who has been prevented by exceptional circumstances from presenting himself at the Regular Examination may by special permission of the Faculty be allowed a *special* examination, but such examination shall only be allowed at the dates specified in the University Almanac for the supplementary examinations, and the fee shall be $5.00 for each subject of examination.

6. Candidates are not permitted to present themselves for examination in selected subjects, but are required to take each section as hereafter defined (pps. 100, 105, 107, 110) as a whole, except (*a*) Candidates obtaining the special permission of the Faculty; (*b*) Students taking one of the affiliated courses (p. 101, sub. sec. 2).

In either case the fee will be $5.00 for each subject, and such examination shall only be allowed at the dates specified in the University Almanac for the supplementary or the regular examinations.

7. Candidates who have been granted supplementary examinations, will be required to pay the examination fee whether they take the examination in the Autumn or at the time of the regular April examinations.

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*In Chemistry and in Physics the same percentage will be required of Students in Medicine as of other professional students in these subjects, viz.: 40%.

Primary M. D., C. M. Examination.*

1. This examination shall consist of two parts as follows:—

(A.) PRIMARY EXAMINATION, SECT. A.

(1.) This examination shall include Anatomy, Chemistry, Elementary Biology, and Medical Physics, to the extent indicated in the following synopsis:—

ANATOMY.

A written examination on Osteology, including general physical characters, chemical composition and coarse structure of bone, ossification. Arthrology; classification of Joints, structure and mechanism of the most important (hip, knee, shoulder, elbow, ankle, etc.)

CHEMISTRY.

Elementary general chemistry, as in the course outlined on pp. 98, 99.

BIOLOGY.

Candidates will be expected to show a practical acquaintance with the topics indicated as forming the subject matter of the courses of lectures and instruction in Botany and Zoology, outlined at pp. 100, 101.

MEDICAL PHYSICS.

A written examination on the subject matter included in the course on General Physics as limited for Medical Students, as indicated at p. 101.

(2.) Candidates for this examination shall be required to produce certificates to the following effect:

(*a*) Of having passed the Preliminary Examination of the Provincial Medical Board of Nova Scotia; the Junior Matriculation Examination of this University with Latin; or other examination recognized as sufficient, at least one academic year previously, and of having completed their sixteenth year before the passing of said examination.

(*b*) Of having, after passing the Preliminary Examination or other equivalent examination, attended either in this University, or in some other University or College approved by the Senate, during at least one medical session of eight months duration a course in *Anatomy, (Osteology and Arthrology)* of at least 75 lectures and demonstrations with 10 hours laboratory work per week for six months.

(*c*) Of having, either before or after passing the Preliminary Examination or other equivalent examination

* See foot-note, p. 98

attended either at this University, or at some other University or College approved by the Senate, the following courses of lectures and instruction, viz., *Chemistry*, a course of at least 75 lectures with a laboratory course of not less than three hours per week for six months; *Biology*, a course of at least 100 hours of lectures and laboratory work; *Medical Physics*, a course of at least 50 lectures.

(3) Exemption from examination in any or all of these subjects may be allowed on production of satisfactory certificates.

(B) PRIMARY EXAMINATION, SECT. B.

(1) This examination shall include Anatomy, Physiology and Histology, and Chemistry, to the extent indicated in the following synopsis:—

ANATOMY.

This examination will be partly written and partly *viva voce*. The paper may include questions in Descriptive and Regional Anatomy, Surgical and Medical Anatomy. At the oral examination, candidates will be examined on the skeleton, recent dissections, models, preparations, etc.

PHYSIOLOGY AND HISTOLOGY

A written and an oral examination on: (*a*) The physiology of digestion, absorption, circulation, respiration, secretion, nutrition, animal heat, animal motion; the functions of the nervous system and sense organs; reproduction and development.

(*b*) The composition of food, and of the tissues, secretions, excretions and other fluids of the body.

(*c*) Histology.

At the oral examinations, microscopical preparations of the tissues and organs of the body will also be submitted for indentification and description.

CHEMISTRY

Inorganic, organic and medical chemistry as in the course of the Medical Chemistry Class, outlined on page 99. The examination will include (*a*) A written paper. (*b*) A practical examination in the laboratory. (*c*) An oral examination, in which questions may be put to candidates upon the entire work of the Junior and Senior courses.

(2) Candidates for this examination shall be required to produce certificates to the following effect:

(*a*) Of having passed the Preliminary Examination, or other examination recognized as sufficient, at least two academic years previously, and of having completed their sixteenth year before the passing of said examination.

(*b*) Of having passed in the subjects of the first part of the Primary Examination either at this University or at some other University or College recognized by the Senate.

(*c*) Of having, after passing the Preliminary Examination or other equivalent examination, attended either in this University, or in some other University or College approved by the Senate, during at least two medical sessions each of eight months' duration, the following courses of lectures and instruction, in addition to those prescribed for Sect. A. of the Primary Examination, (p. 104), viz.: *Senior Anatomy,* a course of at least 75 lectures and demonstrations with 10 hours laboratory work per week for six months*; *Senior Chemistry,*† a course in Organic and Medical Chemistry of 50 lectures with a laboratory course of not less than 3 hours per week for six months; *Physiology,* a course of at least 75 lectures; *Histology,* a course of at least 75 hours of lectures and laboratory work.

(3) (*a*) Candidates who have not passed Sect. A. of the Primary Examination may, by special permission of the Faculty, be allowed to complete their Primary Examination in both sections at the same time.

(*b*) Exemption from Examination in any or all of the subjects‡ of the Primary Examination, may be allowed on production of satisfactory certificates.

2. The Primary M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to hand in their applications and to transmit as far as possible the certificates specified above for Sect. A or Sect. B, as the case may be, to the Secretary of the Faculty at least fourteen days before the date of the examination, and the remainder of the required certificates not less than two days before the date of the examination, to enter their names in the Register of Undergraduates of the University before the date of the examination, and to pay before the date of the examination, one-sixth of the amount of the graduation fee in the case of candidates for amount of the graduation fee in the case of candidates for candidates for Sect. B.

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*On completion of their course in Practical Anatomy candidates will be required to show by certificate that they have satisfactorily dissected each of the "parts" of the body twice.

†In Chemistry, exemption from further attendance or from further examination may be allowed although the Preliminary Examination may not have been taken previous to the attendance or the passing of the examination in that subject.

‡Candidates exempted from Sect. A of the Primary Examination will be required to pay one-half of the graduation fee before being admitted to Sect. B.

Final M. D., C. M. Examination.*

This examination shall also consist of two parts as follows:

(A) FINAL EXAMINATION, SECT. A.

(1) This examination will include the following subjects:—Materia Medica, Pharmacy and Therapeutics; Pathology and Bacteriology.

MATERIA MEDICA, PHARMACY AND THERAPEUTICS.

This examination will be partly written and partly oral. Candidates will require to possess a knowledge of:—

(*a*) The general nature and composition, and the most important physical and chemical characters of the Pharmacopœial drugs, named in the annexed Schedule.

(*b*) The composition of the Pharmacopœial preparations of these drugs, and the process employed in making them.

(*c*) The doses, therapeutical uses and modes of administration of these drugs and the preparations; writing prescriptions.

At the *oral* examination, candidates will also be required to recognize the drugs indicated by *italics* in the annexed Schedule.

Calx Chlorinata: Liquor Sodæ Chlorinatæ.

Ammonii Bromidum; *Potassii Bromidum;* Sodii Bromidum.

Iodum; Potassii Iodidum; Sodii Iodidum; Plumbi Iodidum.

Sulphur Sublimatum; Sulphur Præciptatum; Calx Sulphurata; Potassæ Sulphurata.

Phosphorus; Calcii Phosphas; Sodii Phosphas; *Ferri Phosphas;* Calcii Hypophosphis; Sodii Hypophosphis.

Acidum Hydrochloricum; Acidum Nitricum; Acidum Sulphuricum.

Acidum Aceticum; Acidum Citricum; Acidum Tartaricum.

Acidum Boricum; Acidum Sulphurosum.

Acidum Hydrocyanicum Dilutum.

Liquor Ammoniæ; Liquor Potassæ; Potassa Caustica.

Ammonii Carbonas; Ammonii Chloridum; Liquor Ammonii Acetatis.

Potassii Bicarbonas; Potassii Sulphas; Potassii Chloras; Potassii Tartras Acidus; *Potassii Permanganas.*

Sodii Bicarbonas; Sodii Sulphas; Sodii Nitras; Borax.

Calx; Calcii Hydras; Creta Præparata; Calcii Carbonas Præcipitatus.

Magnesia; Magnesii Carbonas; *Magnesii Sulphas.*

Alumen; Alumen Exsiccatum.

Zinci Oxidum; Zinci Chloridum; *Zinci Sulphas.*

Cupri Sulphas.

Argenti Nitras.

Hydrargyrum; Hydrargyi Oxidum Flavum; Hydrargyri Oxidum Rubrum; Hydrargyri Subchloridum; Hydrargyri Perchloridum; Hydrargyri Iodidum Rubrum; Hydrargyri Ammoniatum.

Hydrargyri Oleas; Liquor Hydrargyri Nitratis Acidus.

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* See foot-note, p. 98.

Plumbi Oxidum; Plumbi Acetas; Liquor Plumbi Subacetatis *Fortis.*
Antimonium Tartaratum.
Acidum Arseniosum; Ferri Arsenias; Sodii Arsenias; Arsenii Iodidum; Liquor Arsenii et Hydrargyri Iodidi.
Bismuthi Subnitras; Bismuthi Carbonas; Bismuthi Salicylas.
Ferrum; *Ferri Sulphas;* Ferri Sulphas Exsiccatus; *Ferri Carbonas Saccharatus;* Syrupus Ferri Iodidi; Liquor Ferri Acetatis; Liquor Ferri Perchloridi; Liquor Ferri Pernitratis; Liquor Ferri Persulphatis; *Ferri et Ammonii Citras; Ferri et Quinae Citras; Ferrum Tartaratum; Ferrum Redactum.*
Alcohol Absolutum; *Spiritus Rectificatus.*
Æther; Chloroformum; Iodoformum.
Chloral Hydras; Butyl Chloral Hydras; *Paraldehydum;* Sulphonal.
Amyl Nitris; Tabellæ Trinitrini; Liquor Trinitrini; *Spiritus Ætheris Nitrosi.*
Acetanilidum; Phenacetin; Phenazonum.
Collodium.
Creosotum; Acidum Carbolicum; Acidum Salicylicum; Sodii Salicylas; Salol.
Aconiti Radix; Aconitina.
Opium; Morphinæ Hydrochloridum; Morphinæ Acetas; Morphinæ Tartras; Apomorphinæ Hydrochloridum; Codeina; Codeinæ Phosphas.
Cocae Folia, Cocaina; Cocainæ Hydrochloras.
Jaborandi Folia; Pilocarpinæ Nitras.
Quassiae Lignum; Calumbae Radix; Gentianae Radix.
Physostimatis Semina; Physostigminæ Sulphas.
Caffeina; Caffeinæ Citras.
Conii Fructus et Folia.
Asafoetida; Ammoniacum; Myrrha; Guaiaci Resina.
Cinchonae Rubrae Cortex; Quininae Sulphas; Quininæ Hydrochloridum; Quininæ Hydrochloridum Acidum.
Salicinum.
Ipecacuanhae Radix; Senegae Radix.
Glycerinum.
Nux Vomica; Strychnina; Strychninæ Hydrochloridum.
Belladonnae Radix et Folia; Atropina; Atropinæ Sulphas; Hyoscyami Folia; *Stramonii Semina* et Folia; Homatropinæ Hydrobromidum.
Cannabis Indica.
Digitalis Folia, Strophanthi Semina.
Oleum Ricini; Oleum Crotonis; *Aloe Barbadensis; Aloe Socotrina; Aloinum; Cascara Sagrada; Colocynthidis Pulpa, Elaterium;* Elaterinum; *Jalapa; Podophylli Rhizoma;* Rhei *Radix; Senna Alexandrina et Indica; Camphora; Oleum Terebinthinae.*
Acidum Tannicum; Acidum Gallicum; Kino; Catechu; Hamamelidis Cortex et Folia.
Acidum Benzoicum.
Copaiba; Cubebae Fructus.
Colchici Cormus et Semina
Scilla.
Filix Mas, Santoninum.
Ergota.
Oleum Morrhuae.
Cantharis.

PATHOLOGY AND BACTERIOLOGY.

The examination will be partly written, and partly *viva voce*. Candidates will be expected to possess a knowledge of:—

(*a*) *General Pathology*, including Degenerative Processes Inflammation, Morbid Growths, etc.

(*b*) *General Etiology*, with reference to Parasitic and Infective Diseases.

(*c*) *Systematic Pathology*, the more important diseases of the principal systems and organs of the body.

(*d*) *Bacteriology*, to include the General Morphology and Life History of Micro-Organisms; Characters of Organisms Pathogenic to the Human Subject, and their modes of producing diseases, etc.

At the oral examinations candidates will be examined on gross and microscopical preparations, and will be expected to possess a knowledge of the preparation of Culture Media, Methods of Isolation, and Cultivation, Staining, Separation of Bacterial Products, Inoculation.

(2) Candidates for this examination shall be required to furnish certificates to the following effect, viz.:—

(*a*) Of having passed the Preliminary Examination, or other examination recognized as sufficient, at least three academic years previously, and of having completed their sixteenth year before the passing of said examination.

(*b*) Of having passed the Primary M. D., C. M. Examination at this University, or of having passed an equivalent examination at some other University or College recognized by the Senate.

(*c*) Of having, after passing the Preliminary Examination or other equivalent examination, attended at some University or College approved by the Senate, during at least three medical sessions, each of eight months' duration, the following courses of lectures and instruction, in addition to those prescribed for the Primary Examination, (pp. 104, 105), viz.:—*Materia Medica*, a course of at least 75 lectures; *Therapeutics*, a course of at least 25 lectures; *Pathology and Bacteriology*, a course of at least 150 hours of lectures, demonstrations and laboratory work.

(*d*) Of having, after passing the Preliminary Examination, or other equivalent examination, attended at some University or College, approved by the Senate, one course of instruction of at least thirty lessons in Practical Dispensing, or under the same conditions had three months practice in the dispensing of drugs with a registered apothecary or dispensing medical practitioner;

(B) FINAL EXAMINATION, SECT. B.

(1) This examination will include the following subjects:—Medical Jurisprudence and Insanity and Hygiene, Surgery, Clinical Surgery, Medicine, Clinical Medicine, Obstetrics and Diseases of Women and Children.

MEDICAL JURISPRUDENCE AND INSANITY, AND HYGIENE

The examination will be partly written, partly oral. Candidates will be examined on the following topics:—

Forensic Medicine.

I. Examination of Persons found Dead, with reference to:—(1) Identification; (2) Time of Death; (3) Cause of Death.

II. Violent causes of Death:—(1) Drowning; (2) Strangulation.

III. Poisons and Poisoning:—(1) Symptoms and post mortem appearances in cases of poisoning by the following agents: Inorganic—Mineral Acids; Solutions of Alkalis; Copper; Lead; Mercury; Antimony; Arsenic; Phosphorus. Organic—Oxalic Acid; Carbolic Acid; Opium; Strychnine; Belladonna; Aconite; Chloroform; Chloral Hydrate; Cyanides (2) Duties of Medical men in cases of Poisoning as regards:—Observation; Treatment and Preservation of parts for Analysis. (3) Preliminary Tests for Poisonous Substances for Clinical Use before reference to an Analyst.

IV. Medico-legal points in connection with:—Pregnancy, Delivery, Rape, Criminal Abortion, Infanticide, Assaults and Homicide, Wounds and other external Injuries; Mental Capacity in relation to Criminal Responsibility, Contracts and Wills; Malpractice, and Neglect of Duty.

V. Forms of Insanity. Examination of persons supposed to be insane. The Lunacy Laws in so far as they affect the Medical Practitioner when signing Certificates of Lunacy.

Hygiene.

I. WATER, in its relation to Health and Disease:—(1) The Character and Classification of Drinking Water. (2) The Causes and Sources of the Impurities found in Water and Methods of Purification. (3) The Diseases conveyed by Water, and the Methods of dealing with Epidemics of such Diseases.

II. AIR, in relation to Health and Disease:—(1) The Causes and Sources of the Impurities found in Air. (2) The Diseases conveyed through the Air. (3) The quantity of Air necessary for Health; the Principles of Ventilation.

III. SOIL, in relation to Health and Disease:—(1) The Causes and Sources of the Impurities in the Soil, and the Methods of dealing with them. (2) Diseases connected with the Soil. (3) The Methods of dealing with Excreta and Sewage.

IV. FOOD, in relation to Health and Disease:—(1) Dietetics. (2) The common Adulterations of the Chief Articles of Diet. (3) Diseases connected with Deficiency or Impurity of Food-supply.

V. The Dwelling, in relation to Health and Disease:—The Principles of House Drainage.

VI. The Principles of Disinfection, and the mode of Action of the chief Disinfecting Agents.

VII. The Provisions of "The Act for the Notification of Disease."

SURGERY.

The examination in this subject will be partly written and partly *viva voce*.. The candidates will be expected to possess a knowledge of the Principles and Practice of Surgery, of Surgical Pathology, Surgical Anatomy, and Operative Surgery. They will also be examined on the more common Diseases of the Skin, of the Eye, Ear, Throat and Nose.

CLINICAL SURGERY.

This examination will be partly practical and partly oral. Cases will be submitted for diagnosis and treatment. Candidates will also be examined on the application of Splints and Bandages, and on the uses of Surgical Instruments and Appliances.

MEDICINE.

In this subject there will be a written and an oral examination on the Clinical History, Causes, Diagnosis, Prognosis and Treatment of the Diseases of the different Systems and Organs of the Body. The examination will also include Infectious Diseases, Constitutional Diseases, Mental Diseases, and Diseases of the Nervous System. Candidates may also be questioned on Medical Anatomy and on Therapeutics.

CLINICAL MEDICINE.

The examination in Clinical Medicine will be partly practical and partly oral. Patients will be submitted for Examination, Diagnosis and Treatment. Examination of specimens of Urine, Sputa, etc., will be required.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.

In these subjects there will be a written and an oral examination, which will embrace the following:—

(*a*) The Anatomy and the Physiology of the Female Organs of Reproduction.

(*b*) The Physiology, Pathology and Therapeutics of Pregnancy.

(*c*) Parturition, natural and morbid.

(*d*) Hygiene, Pathology and Therapeutics of the Puerperal State.

(*e*) Hygiene, Pathology and Therapeutics of Infancy and Childhood.

(*f*) Special Pathology and Therapeutics of the Female Organs of Reproduction.

At the oral Examination, candidates may also be questioned on Gynæcological Operations and the use of Instruments and Appliances.

(2) Candidates for this examination will be required to furnish certificates to the following effect, viz.:—

(*a*) That they have completed their twenty-first year, or that they will have done so, on or before the day of

graduation. This certificate shall be signed by themselves, and shall be after the following form:

HALIFAX....., 19...

I, the undersigned, being desirous of obtaining the Degrees of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years (or if the case be otherwise), that I shall have attained the age of twenty-one years before the next graduation day.

Signed, A. B.

(*b*) Of having passed the Preliminary Examination, or other equivalent examination, at least four academic years previously, and of having completed their sixteenth year before the passing of said examination;

(*c*) Of having passed the Primary M. D., C. M. Examination at this University, or having passed an equivalent examination at some other University or College recognized by the Senate;

(*d*) Of having passed the First part (Sect. A) of the Final Examination at this University;

(*e*) Of having, after passing the Preliminary Examination or other equivalent examination, fulfilled the following requirements:

a. Attended at some University or College recognized by the Senate, during at least four academic years, each of at least 8 months' duration, two courses of at least 75 lectures each in each of the following, in addition to the subjects prescribed, (pp. 104, 105, 109), viz.: *Surgery, Medicine, Obstetrics and Diseases of Women and Children, Clinical Surgery, Clinical Medicine;* one course of at least 50 lectures and demonstrations in *Medical Jurisprudence* (*including Insanity*); and one course of at least 25 lectures and demonstrations in *Hygiene,* and in *Ophthalmology, Otology and Laryngology.*

β. Attended at some University or College recognized by the Senate, a course in Operative Surgery, and of having performed operations on the dead body to the satisfaction of the Teacher*;

γ. Attended during at least eighteen months the practice of the Victoria General Hospital, or that of some other General Hospital approved by the Senate, or attended such hospital practice for twelve months with at least six months additional attendance on the practice of a recognized Dispensary, or of the out-patient department of an approved Hospital;

* Blank certificates will be issued to candidates which must be filled out and signed by the proper authorities.

δ. Attended at a recognized Hospital or Dispensary courses of practical instruction of at least 25 lessons or demonstrations each, in Medicine and in Surgery, including:—the methods of examining various organs and other parts of the body, in order to detect the evidence of disease or the effect of accidents, the employment of instruments and apparatus used in diagnosis or treatment, the examination of the Urine and other secretions, and of morbid products;

ε. Served at least three months as a dresser in the Surgical wards, and three months as a Clinical Clerk in the Medical wards of a recognized Hospital, and reported at least 10 Medical and 10 Surgical cases, or having done other equivalent practical work in Surgery and Medicine*;

ζ. Attended at least four cases of midwifery, under a recognized practitioner*;

η. Attended the Post Mortem Examinations in a recognized Hospital for a period of at least six months, during which they received practical instruction in the methods of making Post Mortem Examinations and in framing Reports; such certificates to be accompanied by reports of at least six autopsies which the candidate has attended.

θ. Received instruction and attained proficiency in the practice of Vaccination, under a recognized medical practitioner.*

(3) Candidates who have not passed Sect. A of the Final Examination, may, by *special* permission of the Faculty, be allowed to complete their Final Examination in both sections at the same time.

2. The Final M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to hand in their applications and to transmit as far as possible the certificates specified above for Section A or Section B, as the case may be, to the Secretary of the Faculty, at least fourteen days before the date of the examination, and the remainder of the required certificates not less than two days before the date of the Examination, and to enter their names in the register of undergraduates before the date of the examination, and to pay before the date of the examination, one-sixth of the amount of the graduation fee in the case of candidates for Section A, and one-third of the graduation fee in the case of candidates for Section B.

*Blank certificates will be issued to candidates which must be filled out and signed by the proper authorities.

3. Candidates who may have been exempted from passing the Primary Examination under the provisions on p. 106, sub section (3) (*b*) will be required to pay the balance of the full graduation fee before being admitted to the last part of the Final Examination.

4. A candidate having failed to make 50% in any subject of Section B of the final Examination will also be required to pass again in any other subject in which he may have made less than 60% with or without evidence of further attendance on such subject or subjects as the Faculty, in their discretion may determine. At all such Supplementary Examinations candidates are required to make at least 60% in each subject.

Medals and Prizes

MEDICAL FACULTY MEDAL.—This medal will be awarded on graduation to the student who stands first at the Final M. D., C. M. Examination (Section B), provided he shall have obtained distinction in at least four of the six subjects of examination.

DR. LINDSAY'S PRIZE.—A prize of Books will be awarded to the student who stands first among those taking Section B of the Primary M. D., C. M. Examination, provided he shall have obtained distinction in at least two of the three subjects of examination.

THE SIMSON PRIZE.—An Annual Prize of Twenty-five Dollars is offered by Frank C. Simson, Esq., to be awarded to the student who, at the end of his third year, has during his course, passed the best examinations in Chemistry, Practical Chemistry, Materia Medica and Therapeutics.

Sponsio Academica

Before receiving his degree, the candidate will be required to sign the following oath or affirmation:—

SPONSIO ACADEMICA.

In facultate Medicinæ Universitatis Dalhousianæ.

Ego, Doctoratus, in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo:—me in omni grati animi officio erga Universitatem Dalhousianam ad extremum vitæ halitum, perseveraturum. Tum porro Artem Medicam caute, caste, probeque exercitaturum et quoad potero, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum. Quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

Fees

The following fees, payable by students and candidates for the degrees of M. D., C. M., are in all cases payable in advance:—

Registration	$ 2 00
Junior Chemistry Class Fee (including Laboratory Fee)*	10 00
Senior " " " "	12 00
Biology Class Fee (including use of microscopes and reagents)	12 00
Physics	6 00
Graduation Fee†	30 00

*All students taking classes in the chemical laboratory are required to make a deposit of Three Dollars on entering the class. This amount, or if charges for breakage have been incurred, what remains of it after such charges have been deducted, is returned to the student at the end of the laboratory course.

† Students who have paid $30.00 or upwards as Examination Fees are not required to pay an additional Graduation Fee.

NOTE.

The following announcement is made which will prove of great importance to all Medical Students and Graduates of this University:

That any person who holds the degrees of Doctor of Medicine and Master of Surgery of the DALHOUSIE UNIVERSITY, and is at the same time duly registered in the Medical Register of Nova Scotia, shall be entitled to be registered in the Colonial List of the British Medical Register, and shall thereby become equally entitled to the same privileges as persons registered in the regular Home Register.

In 1886 an Imperial Act was passed providing for reciprocity with regard to Medical Education and Registration between the various British Possessions (and foreign countries) and Great Britain. Owing to a defining clause in this Act being at variance with the B. N. A. Act, Canada was unable to secure the benefits of the Imperial Act for graduates from any of her medical institutions. In 1905 a Bill was passed through the British House of Commons known as the "Laurie Act" amending the Act of 1886, and pursuant to this Act an Order was obtained from the Privy Council U. K, declaring Nova Scotia a British possession to which the Act of 1886 applies. Application was then made to the General Medical Council U. K. for the recognition of the Medical degrees of this University and the above announcement embodies the decisions of the Council.

Nova Scotia is thus the first Canadian Province to secure these important concessions including the right to practise in Britain, and in other Colonies or Countries; admission to the army service, etc.

In order to maintain this recognition of the MEDICAL COUNCIL it is found necessary to extend the curriculum required for graduation at as early a date as possible to five academic years. No change can be made applicable to session 1907-8, but provision will probably be made for such a course in the Calendar for 1908-9.

Institutions.

THE UNIVERSITY LIBRARIES.*

The Arts Library was instituted in 1867, as the result of an appeal made by the Rev. George M. Grant, at Convocation. Until 1888 the number of volumes did not exceed 3,000; to-day there are about 13,200 volumes and 3,300 pamphlets.

When the Law Faculty was organized in 1883, the Dean received a number of very generous contributions for a Library. A useful collection of Law books was secured, partly through the exertions of the late J. T. Bulmer. To-day the number of volumes exceeds 7,500.

The Arts Library contains the MACKENZIE COLLECTION of works on Mathematical and Physical Science, which was presented to the College by the relatives of the late Professor J. J. MacKenzie; the ROBERT MORROW COLLECTION of works on Northern Antiquities and Languages, presented by Mrs. Robert Morrow; the SETH COLLECTION of Philosophical works, purchased with the proceeds of a course of public lectures on Psychology given by Professor James Seth; the DEMILLE MEMORIAL, presented by Professor MacMechan from the proceeds of two courses of Lectures on Shakspere; the LAWSON LIBRARY, presented by the daughters of the late Professor George Lawson, LL. D.; the MCCULLOCH COLLECTION, from the Library of the late Rev. W. McCulloch, D. D.; the EDWIN P. ROBINS MEMORIAL COLLECTION of Philosophical books; the MACDONALD COLLECTION, presented by the son of the late Professor Charles Macdonald, M. A.; the DEMILLE COLLECTION, presented by Mrs. J. DeMille; the HARRINGTON COLLECTION, presented by the family of the late Emily Harrington, M. A.; also the following CLASS MEMORIAL COLLECTIONS:

Class of 1894: Classical Dictionaries.
Class of 1895: Sophocles' Plays and Bacon's Works.
Class of 1896: Jesuits' Relations.
Class of 1897: Dryden's Works, and Economics.
Class of 1898: Standard Editions of Plato and of Aristotle.

*Students have access, subject to certain conditions, to the Citizens' Free Library, the Legislative Library, and the Libraries of the N. S. Institute of Science and of the Mining Society. Of the other Libraries in the city, the Cambridge Library and the Law Library of the Barristers' Society should be mentioned.

Class of 1899: New English Dictionary, General Literature.
Class of 1900: Dictionary of National Biography.
Class of 1901: Supplementary volumes of the Encyclopædia Britannica, Mathematical and Physical Books.
Class of 1902: Works on Geology, Metallurgy, and Civil Engineering.
Class of 1903: Darwin's Works, Stevenson's Works, Works on Civil Engineering.
Class of 1904: Works on English Literature, History, Philosophy, Mathematics and Chemistry.
Class of 1905: Works on English Literature, History, Mathematics, Chemistry and Engineering.

The Class memorials are the most important contributions to the Library. These gifts reflect the greatest credit both on the givers and on the College that has such generous students.

The Accession book shows that 881 books and pamphlets were received by the Library during the session 1906-07.

Among the more important donations were a long file of *The Scientific American*, 88 vols., from Dr. A. P. Reid; a complete set of the *Publications of the Modern Language Association*, from Dr. K. G. T. Webster, who has signified his intention to continue to supply this periodical; 23 vols. chiefly in French literary criticism, from Dr. Eliza Ritchie; 17 vols. in Political Economy, from President Forrest, and 10 vols. in the same subject from a graduate who does not wish his name published; 18 vols. in History and Literature, from H. McInnes, Esq., Secretary to the Board of Governors; 2 vols. each from Mr. J. H. Prowse, Mr. A. D. Watson; 8 vols. from Col. Ward, R. E., and 13 vols. from Prof. W. C. Murray.

The periodicals contributed to the Library were: *The Nation, The Canadian Courier, The Canadian Magazine, The Atlantic Monthly, Publications of the Modern Language Society, Modern Language Notes, Engineering, Engineering News, Mines and Minerals, The Engineering Canadian Mining Journal, Nature, Chemical News. The Fortnightly Review,* by Professor D. A. Murray; *The Academy,* by Dr. Eliza Ritchie; *The Outlook,* by Professor Sexton; *The Times,* by Prof. E. Mackay: *The*

Philosophical Review, The Psychological Review, The International Journal of Ethics, Mind, Pedagogical Seminary, Educational Review (of New York) by Professor W. C. Murray.

It is unpleasant to report that a careful stock-taking revealed the fact that 359 volumes were missing from the shelves without any receipt held by the Library. Although lists of the missing books were posted on the Bulletin boards and given to the heads of various departments, not more than a dozen were recovered.

The appointment of a paid assistant who is able to give undivided attention to the oversight of the Library has not been premature. Miss Zillah Macdonald has not only acted during the past session as Assistant, but has rendered effective aid in typing the correspondence.

A standing desk on which new books are displayed has been added to the equipment. After being entered and catalogued the accessions remain on the New Book Shelf for one week, at the end of which they are placed on their proper shelves.

A brass plate recording the various class gifts to the Library has been placed on the south wall.

It has been found necessary to place three more tables in the Library to accommodate the increasing number of readers. It is becoming more and more difficult to find space for accessions and readers. Even the shelves in the "Annex" or overflow room are becoming crowded.

The Library Committee for 1906-07 were: The Librarian and Professors W. C. Murray, D. A. Murray and Mackenzie.

THE ALUMNI ASSOCIATION

(Organized 1871, Incorporated 1876.)

ABSTRACT OF MINUTES OF ANNUAL MEETING.

The Thirty-seventh Annual Meeting was held at the Halifax Hotel on the evening of April 25th, the President, E. D. Farrell, M. D., in the chair.

The Executive Committee reported a present membership of 531, a substantial increase over 201, the number enrolled in 1901.

The Secretary-Treasurer's report showed total receipts for the year of $326.96 and an expenditure of $291.42.

Prof. E. Mackay presented a full report of the Science work during the past year. He referred to the valuable support given by the Association to the Science classes. The grant this year was $250, making the total amount contributed by the Association for the last ten years $2,448.74.

It was decided to continue to aid this important work, the amount of the grant to be determined by the Executive.

Several alumni resident in Massachusetts, reported that they had formed a New England Branch with Mr. K. G. T. Webster, Ph. D., as President, and Mr. E. K. Harvey, B.A., as Secretary-Treasurer.

The officers of the Association are:—

President	E. D. FARRELL, M. D.
1st Vice-President	A. S. BARNSTEAD, B. A., LL. B.
2nd Vice-President	R. M. MACGREGOR, B. A., M. P. P.
Secretary-Treasurer	S. A. MORTON, M. A.
Executive Committee	H. D. BRUNT, B. A. J. W. LOGAN, B. A. A. S. MACKENZIE, B. A., Ph. D. A. W. SEAMAN, B. A. J. H. TREFRY, M. A.
Auditors	J. M. GELDERT, LL. B. J. F. PUTNAM, B. A.

The officers of the C. B. Branch last reported were:—

Honorary President	CHAS. S. CAMERON, M. A.
President	H. P. DUCHEMIN, B. A.
Vice-Presidents	F. B. A. CHIPMAN, M. A., LL. B. J. L. BETHUNE, M. D. W. F. CARROLL, B. A., LL. B. D. FINLAYSON, B. A. LL. B., M. P.
Secretary	C. D. LIVINGSTONE, LL. B.
Treasurer	J. E. A. MACLEOD, B, A., LL. B.
Other Members of the Executive Committee	M. T. MACLEAN, M. D. D. MCD. CAMPBELL, M. A., B. SC. G. A. R. ROWLINGS, B. A., LL. B. REV. W. H. SMITH, B. A., PH. D FINLAY MACDONALD, B. A., LL. B.

STUDENT SOCIETIES.

University Students' Council.

Meetings are held regularly in November and February to conduct business in which all the Students of the University are interested. Special meetings may be called by the President at any time.

President	A. O. SHATFORD.
Vice-Presidents	J. H. HAMILTON. C. J. MACKENZIE. H. S. PATTERSON, B. A.
Secretary-Treasurer	E. A. MUNRO.
Executive Committee	A. K. ROY, B. A. J. A. MACKEIGAN. J. W. MARGESON. G. B. MCCUNN.
Auditors	R. MCLEOD. W. S. LINDSAY, B. A.

The DALHOUSIE GAZETTE is published by the students of the University under the authority of the Council.

The following have been appointed by the students of the Arts and Science Faculties as Editors for 1907-08:—

J. A. MACKEIGAN (Arts, '08).	J. J. MARTIN, B. A. (Law, '09).
A. W. L. SMITH (Arts, '08).	M. R. MCGARRY, B. A. (Med., '08).
J. MACNEIL (Arts, '09).	A. CALDER (Med., '09).
J. P. M. MACINTOSH (Arts, '10).	G. D. FINLAYSON, B. A. (Eng., '09)
H. S. PATTERSON, B.A. (Law, '08).	G. B. MCCUNN (Eng., '08).
Lady Editors.	MISS J. G. BAYER (Arts, '08). MISS E. C. WALKER (Arts, '09). ————————, Alumni.

D. R. MACLEAN, *Business Manager.*

Arts and Science Students' Society.

This Society meets in October and April to conduct business in which the Arts Students alone are interested. Special meetings may be called at any time by the President.

OFFICERS.

President	E. A. MUNRO.
Vice-President	A. T. MACDONALD.
Secretary-Treasurer	D. C. SINCLAIR.
Executive Committee	J. T. ARCHIBALD. J. A. MACKEIGAN. A. MACKAY.

Law Students' Society.

This Society meets at the opening of the Session for general business, and thereafter at such times as the President may deem necessary.

OFFICERS.

President ..... J. A. HANWAY.
Vice-President ..... A. L. SLIPP.
Secretary-Treasurer .....H. MENZIE.

The Mock Parliament.

The Mock Parliament meets every Saturday night until the Christmas vacation. All students of the University are welcome, but only students taking Law Classes are allowed to take part in the debates which are wholly of a political character on current questions. Parliamentary procedure is strictly observed.

OFFICERS.

Speaker ..... E. B. JONIAH, B. A.
Clerk .....

The Moot Court.

The Moot Court is intended for law students only, so far as arguing is concerned. It is conducted as nearly as possible after the manner of the Supreme Courts; and all law students of second and third year standing are required to take part in at least one case during the session. (See Law Faculty).

The Medical Debating Club.

The meetings of this Society are held weekly throughout the session. Topics of general interest are discussed, and papers on medical subjects are read.

OFFICERS.

President ..... R. O. SHATFORD.
Vice-President ..... S. R. BROWN.
Secretary ..... J. J. MACDONALD, B. A.
Treasurer .....A. K. MOILLIET.
Executive Committee ..... M. R. MCGARRY, B. A.; JOHN MACDONALD.; R. G. MACLELLAN.; J. J. MACDONALD, B. A.

The Sodales Debating Club.

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

OFFICERS.

Honorary President .....DR. MACMECHAN.
President ..... R. A. WATSON.
Vice-President ..... J. A. MACKEIGAN.
Secretary-Treasurer ..... D. C. SINCLAIR.
Executive Committee ..... H. S. PATTERSON, B. A.; A. CALDER.; J. H. HAMILTON.; D. S. WICKWIRE.
Representative on Committee for Intercollegiate Debate ..... H. S. PATTERSON.
Auditors ..... F. A. MUNRO.; A. O. THOMAS.

Young Men's Christian Association.

Meetings of the Association are held every Saturday evening at the College.

OFFICERS.

President ..... W. K. Read.
Vice-President ..... A. T. Macdonald.
Recording Secretary ..... D. R. MacLean.
Corresponding Secretary ..... R. McLeod.
Treasurer ..... E. A. Munro.

Young Women's Christian Association.

Meetings of the Association are held every Monday afternoon at 5 o'clock.

OFFICERS.

President ..... Laurie B. W. Browne.
Vice-President ..... Lena M. Sibley.
Recording Secretary ..... E. Clara Walker.
Corresponding Secretary ..... Victoria K. MacMillan.

The Dalhousie Amateur Athletic Club.

Honorary President ..... President Forrest.
President ..... E. B. Jonah, B. A.
Vice-President ..... G. D. Finlayson.
Secretary ..... H. W. Flemming.
Treasurer ..... Prof. Woodman.
Executive Committee ..... M. G. Burris.
J. G. Bruce, B. A.
L. Siderski.
J. J. Martin, B. A.
J. Rankine, M. D.
Captain ..... D. A. Cameron.
Trophy Committee ..... E. B. Jonah, B. A.
D. A. Cameron.
Field Committee ..... J. A. MacKinnon, Ll.B.
R. T. MacIlreith, Ll.B.
J. C. O'Mullin, Ll.B.
Auditors ..... H. S. Patterson, B. A.
W. S. Lindsay, B. A.

The Glee Club.

The Club meets once a week for practice of glees and choruses.

OFFICERS.

President ..... J. MacKinnon.
Vice-President ..... Claire Strickland.
Secretary-Treasurer ..... T. M. DeBlois.
Executive Committee ..... M. L. Fraser.
W. L. McLean.
E. A. Munro.
Lena M. Sibley.
May B. Umlah.
Conductor ..... W. Bauer.
Accompanist ..... Claire Strickland.

The Delta-Gamma Society.

The Delta-Gamma Society meets bi-monthly during the session. All lady students are eligible for membership. Debates are held, and literary programmes are prepared.

President ..... KATHLEEN WEBBER.
Vice-President ..... FLORENCE E. DODD.
Secretary ..... MABEL MCLEOD.
Treasurer ..... MARGARET IRWIN.

The Engineering Society.

This Society meets monthly to hear addresses by Engineers.

Honorary President ..... PROFESSOR BRYDONE JACK.
President ..... G. B. MCCUNN.
Vice-President ..... D. S. WICKWIRE.
Secretary ..... C. J. MACKENZIE.
Treasurer ..... DENIS STAIRS.

The Rifle Association.

Captain ..... DANIEL REDMOND MCLEAN.
First Lieutenant ..... WILLIAM WALLACE MALCOLM.
Second Lieutenant ..... HENRY STANISLAUS TOLSON.
Secretary-Treasurer ..... JAMES HENRY HAMILTON.
Executive Committee ..... E. C. MACKENZIE, B. A.
J. H. PROWSE, B. A.
J. CONGDON CROWE.

AFFILIATED COLLEGES.

The Prince of Wales College.

(Founded in 1860).

S. N. ROBERTSON, M. A., (Dal.), LL. D., Principal, *Latin, Greek and School Management.*
H. H. SHAW, B. Sc. (McGill), Vice-Principal, *Chemistry, Physics and Psychology.*
E. E. JORDAN, M. A., (Dal.), *Mathematics and Book-keeping.*
C. J. MACMILLAN, M. A., (McGill & Harv.), *English and History.*
J. D. COLLIER, *Drawing and Manual Training.*
J. A. MACDONALD, B. A., (Laval), *French and Latin.*
THEO. ROSS, B. A., (Dal.), *Botany and Physical Geography.*

Prince of Wales College, Charlottetown, amalgamated with the Provincial Normal School of Prince Edward Island in 1879, is intended to provide for young people of both sexes a liberal education in Literature and Science, and also to educate and train the teachers for the Public Schools of the Province. Its curriculum is conformed to the common needs of the teacher and of the student seeking a general education.

The College course is planned for a term of three years. Admission to the College is to the First Year, or local class. Students who attain a high mark at the matriculation examination will be permitted, if on further examination found worthy, to enter the Second Year.

To the Second Year are admitted all students who have made 60 per cent. in the examinations of the First Year, and also those persons who hold a Provincial license of the Second Class.

To the Third Year are admitted those who have made 60 per cent. in the Second Year work, and also those persons who hold a license of the First Class.

At the close of the session Honour Diplomas are granted to Third Year students who make over 65 per cent. in the examinations of the year; to those students who have shown throughout their course exceptional merit, High Honour Diplomas are issued.

Certificates are granted to Second Year students who make an average of 65 per cent. in the examinations of their year. These Certificates entitle their holders to First Class license without further examination, providing that Normal training has also been taken.

Students holding High Honour Diplomas are admitted to the Third Year of the B. A. Course in Dalhousie, those holding Honour Diplomas to the Second, those holding Certificates or First Class licenses to the First Year.

Halifax Conservatory of Music.

President.....REV. R. LAING.

The University recognizes the teaching of the Conservatory as part of the qualifications required for the degree of Bachelor of Music.

Halifax Ladies' College.

Principal.....MISS L. M. HENDRIE.

Students who have completed the Collegiate course and received the Diploma are admitted to the Arts course without further examination.

Convent of the Sacred Heart.

Mother Superior.....MADAME REID.

Students who have completed the regular course and received Diplomas are admitted to the Arts course without further examination.

Dalhousie Evening Schools.

A Summer School of Mining was opened in Sydney in 1903, and in Glace Bay in the folowing year. Short summer sessions having been found unequal to the work, evening classes open throughout the winter, and in a few cases throughout the summer months, were organized in 1905 in Sydney Mines, Stellarton and Springhill. The object of these classes was primarily to afford ooportunities for further study to men who had already attended the government local mining schools. In the same year, classes of similar grade in various industrial and literary subjects were opened in Sydney and in North Sydney, under the auspices of the Cape Breton Branch of the Alumni Association. In 1906, these classes were amalgamated with those of Kings' College to form the Sydney Technical School, which is conducted by a joint committee.

During 1906-07, one or more of the classes offered in the Dalhousie Evening Schools, were in operation in the following places:—Sydney Mines, Inverness, Stelarton, Westville, New Glasgow and Springhill.

For Calendar or further information, apply to the Secretary of the Faculty of Arts and Science, Dalhousie College.

University Lists

DEGREES.

Conferred April 25th, 1907.

MASTER OF ARTS.

HENRY JERMAIN MAUDE CREIGHTON, B. A.—*By Thesis: The Influence of Radium on the Decomposition of Hydriodic Acid.*

ALEXANDER FERGUSON, B. A.—*By Examination in Philosophy.*

GEORGE LEONARD MCCAIN, B. A.—*By Thesis: "The Sociological Aspects of the English Reformation."*

ANGUS ALEXANDER MACLEOD, B. A.—*By Examination in Philosophy.*

HUGH MILLER, B. A.—*By Examination in Philosophy.*

LEMUEL JAMES MILLER, B. A.—*By Examination in Shakespere.*

CLARENCE LEANDER MOORE, B. A.—*By Thesis: "The Myxomycetes of Pictou County."*

JOHN WILLIAM GEDDIE MORRISON, B. A., LL. B.—*By Thesis: "Principles of Taxation.*

BACHELOR OF ARTS.

MARY ESTELLA KERR ..... Eureka.
BARBARA LOIS MACKAY ..... Dartmouth.
GRACE HARRIS PATTERSON ..... Truro.
MARY PHOEBE PAYSON ..... Digby Co.
MATTHEW GEORGE BURRIS ..... Musquodoboit.
NORMAN GARFIELD CAMPBELL ..... Windsor.
RUFUS EDWARD DICKIE ..... Stewiacke.
GEORGE FARQUHAR ..... Newport.
GEORGE DANIEL FINLAYSON ..... Merigomish.
EVERETT FRASER ..... North Lake, P. E. I.
WILLIAM KENNETH FRASER ..... Halifax.
WILLIAM P. GRANT ..... Sunny Brae.
ELBRIDGE ARCHIBALD KIRKER ..... Quoddy.
JOHN ARCHIBALD MCLELLAN ..... Kempt Road. C. B.
ROBERT WILLIAM MACLELLAN ..... Halifax.

FRANK THOMAS MCLEOD ..... Burnside.
HECTOR FRANCIS MACRAE ..... Middle River, C. B.
ALLAN FRASER MATTHEWS ..... Alberton, P. E. I.
JOHN ROBERT MILLER ..... Tangier.
JAMES HARPER PROWSE ..... Halifax.
ALEXANDER RETTIE ..... Pictou Co.
SAMUEL RETTIE ..... Pictou Co.
ROBERT BURNLEY HUME ROBERTSON. ... Barrington.
ATHOL WENDELL SEAMAN ..... Charlottetown, P. E. I.
WILLIAM HENRY SWEET ..... St. Anthony, P. E. I.
ROBERT ANDERSON WATSON ..... Baddeck, C. B.

BACHELOR OF SCIENCE.

ANGUS GILLIS MCAULAY ..... Glace Bay, C. B.

BACHELOR OF ENGINEERING

(In Civil Engineering).

ROBERT ANDERSON JONES BETHUNE ..... Baddeck, C. B.
CECIL LEROY BLOIS ..... Halifax.
DAVID HAROLD MELBURN MARCHANT .... Lakeville.

(In Mining).

FRANK HARRIS MCLEARN ..... Dartmouth.

BACHELOR OF LAWS

JOHN BARNETT, B. A., (Dal.) ..... Hartland, N. B.
ALLAN JOS. CAMERON, B. A., (St. F.) .... Heatherton.
JAMES HARRY CHARMAN, B. A., (Dal.) .. Wallace.
NETSON ROSS CRAIG ..... Shelburne.
DONALD MACLEAN, B. Sc., (Dal.) ..... Fourchu, C. B.
ALFRED NEVILL MORINE ..... St. John's, Nfld.
CLIFFORD RUSSELL MORSE, B. A., (St.F.X.) Amherst.
ROY CLARKE MURPHY, B. A., (U. N. B.) .Andover, N. B.
WILLIAM KENT POWER, B. A. (Dal.) .... Halifax.
WILLIAM CHAS. ROBINSON, B. A., (Kings) North Sydney, C. B.
HILARY THIBAULT, B. A., (St. Anne's) ... Salmon River, Digby.

DOCTOR OF MEDICINE AND MASTER OF SURGERY.

PETER MCFARLANE CARTER ..... Antigonish.
HUGH DAN CHISHOLM ..... Springville, Pictou.
BENJAMIN AMEDEE LEBLANC, B.A. (Ste. Anne's) ..... Arichat.
JOHN MACDONALD ..... Huntington, C. B.

BACHELOR OF ARTS. *Ad eundem gradum.*

WILLIAM POLLOK FRASER, B. A., (Cornell)

HONOURS, PRIZES, Etc., 1906-7

DIPLOMAS OF HONOUR.

ENGLISH AND HISTORY.—*High Honours.*—Robert William Maclellan.

PHILOSOPHY.—*High Honours.*—William P. Grant. *Honours.*—George Farquhar.

DIPLOMAS OF GENERAL DISTINCTION.

Great Distinction.—Grace H. Patterson, George D. Finlayson, Athol W. Seaman.

Distinction.—Cecil L. Blois.

GRADUATE PRIZE.

AVERY PRIZE.—Grace Harris Patterson and George D. Finlayson —equal.

UNDERGRADUATE PRIZES AND SCHOLARSHIPS.

(Junior Entrance Scholarships)

MACKENZIE BURSARY.—Frank D. Graham (Halifax).

SIR WM. YOUNG AND PROFESSORS' SCHOLARSHIPS (by nomination).—James McG. Stewart (Pictou), Thomas M. Hibbert (Truro), Julius R. Cornelius (Halifax), Albert Ross (New Glasgow), Norman C. Ralston (Amherst), M. Lenore Smith (Sydney), John P. MacIntosh (Cape Breton).

(Special Prizes)

WAVERLEY PRIZE (Mathematics).—James McGregor Stewart.

MINING SOCIETY SCHOLARSHIP (Third Year Mining).—Benjamin W. Hills (Halifax).

DR. LINDSAY PRIZE (Primary M. D.. C. M.)—Percy D. Davis (Clifton).

FRANK C. SIMSON PRIZE (Chemistry and Materia Medica).—Samuel R. Brown (Shelburne).

EXAMINATIONS, 1906-1907.

FACULTY OF ARTS AND SCIENCE.

MATRICULATION.

BY EXAMINATION.

SENIOR.—*Passed*—Clare Murphy, Madge E. Macdonald.

Passed in certain subjects: J. B. Muise, *in Trigonometry;* Mary P. Payson, *in German;* A. Rettie, *in Algebra;* K. M. Munro, *in Greek.*

JUNIOR.—*First Class Distinction*: Frank D. Graham, Leon Duffy, Arnold Archibald and Gladys M. Smith.

Second Class Distinction: Grover C. Livingstone and Lillie A. B. Umlah.

Passed in certain subjects: Charles E. McKenzie, *in Latin, German, English and Mathematics;* T. M. Creighton. *in Latin, History and Algebra;* C. H. McDonald, *in French and English;* C G. Hay and G. C. Parker. *in English, History and Mathematics;* A. G. McAulay, *in French and German;* L. R. Lordly, *in Latin and French;* R. A. Watson, *in Greek;* H. F. McRae, *in Latin;* Cassie I. Gourley, *in German;* A. E. MacKinnon, *in Algebra.*

BY CERTIFICATE.

SENIOR.—FOR ARTS.—*Passed*—Winifred Nairn, James B. Muise.

Passed in certain subjects: C. G. Black, A. R. Campbell, R. L. Titus, *in all except Foreign Languages;* T. M. Hibbert, *in all except Trigonometry;* J. S. McDonald, *in all except Geometry;* J. M. Stewart. *in all except Chemistry;* R. E. Inglis and Amy C. Giffin, *in all except Latin or Greek;* A. D. Fraser, *in English, History and Trigonometry;* M. Lenore Smith, *in Latin, French, English and Geometry.*

FOR SCIENCE.—*Passed in certain subjects*: D. J. Matheson, *in all except French;* A. S. Gunn, *in all except French and German.*

JUNIOR.—FOR ARTS.—*Passed*—T. M. Creighton, G. S. Goodwin, Dorothy C. Gorham, A. K. Herman, G. E. Herman, E. Leslie, J. P. McIntosh, F. G. Mack, Marguerite Silver, M. Lenore Smith, Katherine M. Whitman, G. B. Wiswell, Freeman Clark, A. Ross, A. F. Matthews, Agnes M. Dennis.

Passed in certain subjects: W. F. Barnes, S. J. Chisholm, H. G. Grant, Kathleen I. MacAloney, Nora O'Brien, J. S. Roper, Annie M. B. Umlah, Gladys M. Smith, W. R. Dickie, *in all except one Foreign Language;* Alice A. Bruce, B. N. Campbell, Martha E. Dewis, J. P. McAulay, J. C. McDougall, D. MacLeod, Gladys M. Marsters, J. A. M. Murdoch, G. E. Rice, L. M. Thompson, A. D. Fraser, J. C. McLennan, Nellie G. Brison, *in all except two Foreign Languages;* J. R. Cornelius, *in all except History;* E. M. Forbes and J. H. Fraser, *in all except Algebra;* Katherine Inglis, *in French, German, English and History;* F. M. Milligan. *in English, History and Geometry;* H. A. Rudin, *in Latin, French,*

English, Algebra; A. P. Starr, *in Latin, English and Mathematics;* J. R. Miller, *in Latin and Greek;* Cassie I. Gourley, *in Latin.*

FOR SCIENCE.—*Passed*—Norah K. Cutler.

Passed in certain subjects: Alex. MacKenzie, *in all except French and German.*

ADMISSION *ad Eundem Statum.*

J. L. Crichton (*McGill Univ.*); Agnes M. Dennis (*McGill Univ.*); B. W. Russell (*Mt. Allison Univ.*); J. J. Gillies (*Laval Univ.*; G. K Butler (*Acadia Univ.*); Stanley McMillian (*Acadia Univ.*)

SUPPLEMENTARY EXAMINATIONS.

LATIN 1.—R. A. Watson; (*Dec. Exam.*): J. R. Miller.

LATIN 2.—J. R. Miller; (*Dec Exam.*): Cassie I. Gourley.

LATIN 3.—A. F. Matthews; (*Dec. Exam.*): R. E. Dickie; (*April Exam.*): W. K. Fraser

GREEK 1.—E. A. Kirker.

GREEK 2.—J. R. Miller; (*Dec. Exam.*): E. A. Kirker.

FRENCH 1.—A. G. McKay.

FRENCH 2.—Agnes M. Dennis.

GERMAN 2.—Agnes M. Dennis.

GERMAN 3.—E. A. Kirker.

ENGLISH 1.—A. A. Cameron, A. M. Porter.

ENGLISH 2.—H. S. Tolson, M. Nicholson.

ENGLISH 4.—R. A. Watson, A. F. Mtthews.

BIBLICAL LITERATURE.—W. K. Fraser.

HISTORY 1.—A. S. Weir.

CONSTITUTIONAL HISTORY.—R. A. Watson.

PHILOSOPHY 1.—H. S. Tolson, M. Nicholson, Kathleen Webber, J. R. Miller, E. A. Kirker, D. E. Hattie, M. Mackay.

PHILOSOPHY 2.—A. F. Matthews.

PHILOSOPHY 6.—J. R. Miller.

MATHEMATICS 1.—(*Trigonometry and Algebra*): E. A. Kirker; (*Algebra*): J. R. Miller, W. R. R. Armitage, A. Rettie; (*Trigonometry and Geometry*): M. Estella Kerr, A. M. Porter, S. Rettie.

PHYSICS 1.— Cassie I. Gourley, C. G. Black, E. Fraser, J. A. McLellan.

CHEMISTRY 1.—W. W. Malcolm, Elizabeth Maycock, Lena M. Sibley, A. Rettie, A. A. Cameron, D. W. McDonald, C. G. Black.

DEGREE EXAMINATIONS.

CLASS LISTS.

Names in "Class I" and "Class II" are in Alphabetical Order. Names under Heading "Passed" are in Order of Merit. The Asterisk indicates a High First Class.

LATIN—*Elementary—Class I.*—Hall, T. R.; *Class II.*—Archibald, J. T.; Baker, Grace J.; Dewis, Martha E.; Marsters, Gladys M.; Mitchell, W.; Munro, K. M. *Passed*—Inglis, R. E.; Parker, G. C.; Milligan, F. M.; Roper, J.; Marshall, Helen A. B.; McAulay, J. P.; McLennan, J. C.; Hay, C. G.; Siderski, L.; MacLeod, D.; (Hartigan, D J.; Macdonald, A. T.); (Brison, Nellie G.; Fraser, J.); (Ferguson, C. S.; Rice, G. E.); (MacKay, J. F.; O'Brien, Nora E.); Murdoch, J. A.; (Landry, R. W.; Nicholson, M.

LATIN 1.—*Class I.*—Cornelius, J. R.; Silver, Marguerite H. L.; Smith, M. Lenore. *Class II.*—Giffin, A. Clare; Graham, F. D.; Livingstone, G. C. *Passed*—MacIntosh, J P.; Wiswell, G. B.; Duffy, L. L.; (Gorham, Dorothy C.; Robertson, A. W.); Rudin, H. A.; Smith, Gladys May; Archibald, A. A.; (Irwin, Margaret J.; MacKenzie, C. E.); Umlah, A. May; (Ross, A.; Whitman, Katherine M.); (Mack, F. G.; MacNeil, J.); Umlah, L. Alberta; (Grant, H. G.; MacMillan, Victoria K.; Porter, A. M.; Sinclair, D. C.; Inglis, R. E.; Forbes, E. McK.; McLennan, J. C.; (Barnes, W. F.; Thompson, L. M.); (Leslie, E.; McDonald, D. W.); (Dickie, W. R.; Herman, G. E.); (Chase, Margaret C.; Creelman, Amelia A.; Milligan, F. M.); (Fraser, J.; Marshall, Helen A. B.) *Passed the December Exam.*—Macdonald, A. Josephine; Chisholm, S. J.; Anderson, J. R.; MacAloney, Kathleen J. *Passed the April Exam.*—Parker, G. C.; Cameron, A. A.

LATIN 2.—*Class I.*—Armitage, W. R.; Hill, Ruby; Macdonald, Madge E.; Maycock, Elizabeth J.; *Murphy, Clare; Stewart, J. McG. *Class II.*—McKay, A.; McLeod, Mabel E.; Walker, Eliza C. *Passed*—Hibbert, T. M.; Tupper, Grace M.; (Macdonald, S. J.; Nairn Winifred); Sibley, Lena M.; (Fraser, J. H.; Townshend, W. T.); (Munro, K. M.; Thomson, Effie M); MacKinnon, J.; Archibald, J. T.; McLean, J. G.; Butler, G. K.; Buckley, L. A.; (Manuel, M. H.; Porter, Sadie E.); (MacKay, A. G.; Muise, J. B.); (Rosborough, W. B.; Thomas, A. O.); (Black, C. G.; Malcolm, W. W.); *Passed the April Exam.*—Crowe, J. C.; King, L. J.

LATIN 3.—*Class I.*—Finlayson, G. D.; *Fraser, A. D.; Goudge, Mabel E.; Kerr, Mary E.; Leitch, R.; Munro, A. E.; *Murphy, Ethel; *Power, Nora N.; *Seaman, A. W. *Class II.*—Bayer, Jean G.; Matthews, A. F. *Passed*—Stairs, G. W.; Robertson, R. B. H.; (Cunningham, F. Muriel; Patterson, Grace H.); Dennis, Agnes M.; MacKinnon, A. E.; Webber, Kathleen J.; Tolson, H. S. *Passed the December Exam.*—Fraser, E.

GREEK—*Elementary—Class I.*—Murphy, Clare; Robertson, A. W. *Class II.*—Macdonald, Madge E. *Passed*—Ferguson, C. S.; Hay, C. G.; McLennan, J. C.

GREEK 1.—*Class II.*—Cornelius, J. R. *Passed*—Graham, F. D.; Robertson, A. W.; Leslie, E.; Rosborough, W. B.; MacIntosh, J. P.; Creighton, T. M. *Passed the April Exam.*—McDonald, D. W.

GREEK 2.—*Class I.*—Stewart, J. McG. *Class II.*—Armitage, W. R.; Leitch, R; McLeod, Mabel E. *Passed*—Walker, Eliza C.; McKay, A.; Porter, A. M.; Munro, K. M.; McLean, J. G.; Fraser, J. H.; (Browne, Laurie B. W.; Buckley, L. A.); Crowe, J. C.

GREEK 3.—*Class I.*—Fraser, A. D.; Goudge, Mabel E.; Munro, E. A.; Murphy, Ethel; Power, Nora N.; Seaman, A. W. *Passed*—Kerr, Mary E.; Rettie, S.; Bayer, Jean G.; Webber, Kathleen J. *Passed the December Exam.*—Read, W. K.

FRENCH 1.—*Class I.*—Inglis, Katherine; Macdonald, Victoria A.; Roper, J.; Ross, A.; Smith, Gladys M.; Umlah, Lillie Alberta. *Class II.*—O'Brien, Nora E. *Passed*—Dickie, W. R.; McAulay, J. P.; Hall, T. R.; Forbes, E. M.; Marsters, Gladys M.; Dewis, Martha E.; Learment, J. D.; Grant, H. G.; Herman, A. K.; Leslie, E.; Herman, G E.; Cameron, A. A.; Barnes, W. F.; Mack F. G.; MacAloney, Kathleen I.

FRENCH 2.—*Class I.*—Duffy, L. L.; Gorham, Dorothy C.; Hill, Ruby; Irwin, Margaret J; Landry, R. W.; Mackay, Helen S.; Muise, J. B.; Smith, Lenore; Tupper, Grace M. *Class II.*—Archibald, A. A.; Cutler, Norah F.; Gunn, S.; Hibbert, T. M.; Livingstone, G. C.; Maycock, Elizabeth; Sibley, Lena M.; Thomson, Effie M.; Walker, Elizabeth C. *Passed*—Butler, G. K.; Fraser, J. H.; Wiswell, G. B.; Macdonald, S. J.; Sinclair, D. C.; Black, C. G.; Titus, R. L.; Porter, Sadie E.; Whitman, Katherine; Malcolm, W. W.; Matheson, D. J.; Anderson, J. R.; Mackay, A. G.; Townsend, W. T.; Creelman, Amelia; Gillies, J. J.; Campbell, A. R.

FRENCH 3.—*Class I.*—*Dennis, Agnes M.; Giffin, Clare; *Macdonald, Madge E.; MacKay, Barbara L.; *Murphy, Clare; Nairn, Winifred. *Passed*—Prowse, J. H.; Dickie, R. E.

GERMAN 1.—*Class I.*—*Goudge, Mabel E. *Class II.*—Bowes, Florence J.; Mackenzie, C. E. *Passed*—Archibald, A. A.; Siderski, L.; Thompson, L.; Hartigan, D. J.; Starr, A. P.

GERMAN 2.—*Class I.*—Baker, Grace J.; Dennis, Agnes M.; Silver, Marguerite; Smith, A. W. L.; *Stairs, G. W. *Class II.*—Cutler, Nora F.; Giffin, Clare. *Passed*—Read, W. K.; Gunn, S.; Whitman, Katherine; Inglis, R. E.; Wallace, C. C.; MacRitchie, J J.; Titus, R. L.

GERMAN 3.—*Class II.*—Marshall, Helen A. B. *Passed*—Payson, Mary P.; Dodd, Florence E.; McAulay, A. G.

ENGLISH 1.—*Class I.*—Hall, Roy; Smith, Minnie L. *Class II.*—Dewis, Martha E.; McIntosh, J. P.; Marsters, Gladys M.; Silver, Marguerite H.; Thorne, Emilie J.; Umlah, Lillie A. B.; Whitman, Kathleen M. *Passed*—Gorham, Dorothy; Hay, Clarence; Irwin, Margaret; Milligan, F. M.; Robertson, A. W.; Roper, J. S.; Colquhoun, Elizabeth S.; Forbes, E. M.; Macdonald, Victoria A.; Mackenzie, C. E.; Starr, A. P.; Archibald, A. A.; Duffy, L. L.; Hartigan, J. D.; Grant, H. G.; Smith, Gladys M.; McLennan, J.; Rudin, H. A.; Graham, F. D.; Thomson, L. M.;

Sutherland, A.; McLeod, D.; Ross, A.; Inglis, Katherine; Mack, F. G.; Murdock, J. A. M.; Parker, G. C.; Creighton, T. M. Landry, R. W.; Barnes, W. F.; Cornelius, J. R.; Learment, J. D.; Leslie, Eric; Anderson, J. R.; Bruce, Alice A.; Livingstone, C. C.; MacAloney, Kathleen I.; Macdonald, A. T.; McKinnon, R. W.

ENGLISH 2.—*Class I.*—Giffin, Clare; Daviss, Beatrice E.; Macdonald, Madge E.; McLeod, Mabel E.; MacMillan, Victoria K.; Tupper, Grace M.; Walker, Eliza C. *Class II.*—Armitage, W. R.; Baker, Grace J.; Creelman, Amelia A.; Hill, Ruby; Gunn, S.; McKay, A.; Mackay, Helen S.; Maycock, Elizabeth J.; Murphy, Clare; Nairn, Winifred; Stewart, J. M. *Passed*—(Macdonald, S. J.; Thomas, A. O.); Muise, J. B.; Chase, Margaret C.; (Fraser J. H.; Lawrence, A. J.); (Fraser, J. H.; Lawrence, A. J.); Porter, Sadie E.; Macdonald, Annie J.; Hibbert T.; (Campbell, A. R.; McNeil, J.; Sinclair, D. C.); Inglis, R. E.; McKay, A. G.; Macdonald, Eva G.; McDonald, D. W.; Black, C. G.; Sibley, Lena M.; Trefry, Edith; Crowe, J. C.; Cameron, C. B.; Buckley, L. A.; (DeBlois, T. M.; Matheson. D. J.; Munro, K. M.; Townsend, W. T.); Ferguson, C. S.; Fraser, J. A.; Malcolm, W. W.; (Rosborough, W. B.; Thomson, Effie M.; Wallace, C. C.; Cameron, A. A.; Porter, A. M.; McLean, J. G.; Butler, G K.; Titus, R. L.

ENGLISH 3.—*Class I.*—Browne, Laurie, B. W.; *Leitch, Roy; McMcLellan, R. W.; *Patterson, Grace H.; Seaman, A. W.; Smith, A. W. L.; Stairs, G. W. *Class II.*—Bayer, Jean G.; Gourley, Cassie I. *Passed*—Fraser, W. K.; Dodd, Florence E.; MacRitchie, J. J.; (Collie, J. R.; Hattie, D.; Yeoman, E. M.); Cunningham, Frances M.; (Archibald, J. T.; Marshall, Helen); Tolson, H. S.; Payson, Mary P.

ENGLISH 7.—*Class I.*—Gourley, Cassie I.; Leitch, Roy; *Patterson, Grace H. *Class II.*—Bayer, Jean G.; Matthews. A. F.; Munro, E. A.; Murphy, Ethel. *Passed*—Crichton, Josephine A.; Hamilton, J. H.; (King, L. J.; McLean, D. R.; Seaman, A. W.); Manuel, M. H.

ELOCUTION.—*Passed*— (Hibbert, T. M.; Umlah, Alberta; Silver, Marguerite); (Butler, G. K.; Giffin, Clare; Livingston, Grover); Colquhoun, Elizabeth S.; (Black, C. G.; Gorham, Dorothy; Gunn, S.); Archibald, A. A.; Smith, Lenore; MacDonald, S. J.; Macdonald, A. T.; Marsters, Gladys M.; Robertson, A. W.; Bruce, Alice; Duffy, L .L.; (Irwin, Margaret; Hay, Clarence); MacKenzie, C. E.; (Forbes, E. M.; Matheson, D. J.; Stewart, Jas. MacG.); Dawson, Francis; Thorne, Emilie: MacKinnon, R. W.; Muise, J. B.; Roper, J.; Ross, Albert; MacLeod, D.; Murdock, J. A.; Barnes, W. F.; Hall, T. R.; Dickie, W.; Dewis, Martha; Starr, A. P.; Inglis, R. E.; Sutherland, A.; MacDonald, Victoria A.; Creighton, T. M.; Grant, H.; Milligan, F.; Morrison, B. H.; Whitman, Katherine; (Nairn, Winifred; Cornelius, J. R.; MacIntosh, J. P.); Fraser, J. H.; Rudin, H. A.; MacLennan, J. C.; Landry, K. W.; Forbes, A. G.; Graham, F.; Smith, Gladys; Anderson, J. R.; Thompson, L. M; Mack, F G.; MacAloney, Kathleen; Inglis, Katherine; O'Brien, Nora; Parker, G. C.; Herman, G. E.; Campbell, A. R.; Leslie, Eric; Brison, Nellie; Herman,

A. K.; Rice, G. E.; Cutler, Nora; Learment, J.; Wiswell, G. B.; Hartigan, D. J.

BIBLICAL LITERATURE.—*Class I.*—Dennis, Clara; Finlayson, G. D.; Kerr, M. Stella; Matthews, A. F.; Power, Nora N. *Class II.*—Archibald, J. T.; Bayer, Jean G.; Cameron, D. A.; Creighton, Annie G.; McDonald, D. W.; MacKinnon, J.; McLeod, F. T.; Payson, Mary P.; Read, W. K. *Passed*—Milligan, F. M.; McInnes, C. J; MacKeigan, J. A.; Fraser, W. K.; Manuel, M. H.; Strickland, W. Claire; King, L. J.; McLeod, R.; Rettie, S.; Hattie, D. E.; McRae, H. F.; Cunningham, Frances M.; Malcolm, W. W.; Fraser, J. A.; McLean, D. R.; Miller, J. R.; MacKay, J. F.; MacKay, M. *Passed Special.*—Hamilton, J. H.

HISTORY 1.—*Class I.*—Browne, Laurie B.; Leitch, R.; Patterson, Grace; Smith, A. W. *Class II.*—McMillan, Victoria K.; Payson, Mary; Seaman, A. W. *Passed*—Stairs, G. W.; Campbell, N. G.; Creelman, A.; Tolson, H. S.; Goudge, Mabel; Chase, Margaret C.; Hattie, Daniel; McDonald, Annie J.; Marshall, Helen; Fraser, Jas.; Inglis, R. E.

HISTORY 2.—*Class I.*—Matthews, A. F.; Robertson, R. B. H. *Class II.*—Cameron, D. A.; Giffin, Amy C.; Miller, J. R. *Passed*—Dickie, R. E.; Thomas, A. O.; Dennis, Agnes; McKinnon, Jas.; Nicholson, M.; McKay, M.

SPECIAL HISTORY.—*Passed*—Robertson, R. B. H.

POLITICAL ECONOMY.—*Class I.*—Sinclair, D. C. *Class II.*—Hamilton, J. H.; McLeod, F. T. *Passed*—McKinnon, A. E.; Stairs, G. W.; McRitchie, J. J.; Marshall Helen; McLeod, R.; McDonald, D. W.; Siderski, L.; McNeill, J.; Gillies, J. J.; Thomas, A. O.; Rosborough, W. B.; Cameron, A. A.; Fraser, W. K.; McKay, J. F.; Cunningham, Frances M.; Nicholson, M.

ADVANCED POLITICAL ECONOMY.—*Class II.*—Burris, M. G.; Cameron, D. A.; Prowse, J. H. *Passed*—Dickie, R. E.

CONSTITUTIONAL HISTORY.—*Class II.*—Sinclair, D. C.; King, L. J. *Passed*—Fraser, W. K.; Gillies, J. J.

CONSTITUTIONAL LAW.—*Class II.*—Rettie, S. *Passed*—Prowse, J. H.; Robertson, R. B. H.; Gillies, J. J.

CONTRACTS.—*Class I.*—Fraser, E.; Rettie, S. *Class II.*—MacKinnon. *Passed*—Cameron, D. A.; Robertson, R. B. H.; Prowse, J. H.; Gillies, J. J.

PHILOSOPHY 1—*Logic and Psychology—Class I.*—Baker, Grace J. ; Giffin, Amy C.; Hill, Ruby; Stairs, G. W. *Class II.*—Gunn, A. S.; Inglis, R. E.; Munro, K. M.; Sibley, Lena M.; Tupper, Grace M.; Walker, Eliza C. *Passed*—Nairn, Winifred; MacMillan, Victoria K.; Dennis, Agnes; Marshall, Helen A. B.; Hibbert, T. M.; Sinclair, D. C.; Black, C. G.; Macdonald, A. Josephine; McLeod, M.; McKay, A.; McNeil, J.; McDonald, S. J.; Fraser, J. H.; Chase, Margaret C.; Maycock, Elizabeth J.; Malcolm, W. W.; Rosborough, W. B.; Armitage, W. R. R.; MacDonald, Eva G.; Creelman, Amelia A.; Lawrence, A. J.; Porter, Sadie E.; Cameron, C. B.; Porter, A. M.; Buckley, L. A.; Ferguson, C. S.; Thomas, A. O.; McDonald, D. W.; McLean, J. G.; Cameron, A. A.; Fraser, J. *Passed in Psychology*—McKay, A. G.

PHILOSOPHY 2.—*Advanced Psychology—Class I.*—Munro, E. A. *Class II.*—MacKay,B. Lois; Payson, Mary P. *Passed*—Goudge, Mabel E.; Mackeigan, J. A.; Tolson, H. S.; Dodd, Florence E.

PHILOSOPHY 3.—*Modern Philosophy—Class I.*—Farquhar, G.; Grant, W. P.; Munro, E. A. *Passed*—Hamilton, J. H.; Burris, M. G.; Mackeigan, J. A.; Watson, R. A.; Read, W. K.; Prowse, J. H.; Yeoman, E. M.; Dickie, R. E.

PHILOSOPHY 4—*Greek Philosophy—Class I.*—Bayer, Jean G.; Farquhar, G.; Grant, W. P.; Matthews, A. F.; Munro, E. A.; Patterson, Grace H.; Seaman, A. W. *Class II.*—Campbell, N. G. *Passed*—Watson, R. A.; Mackeigan, J. A.; McLeod, A. A., B.A.; Burris, M. G.; Yeoman, E. M.; Mackay, B. Lois; McInnes, C. J.; Hamilton, J. H.; Manuel, M. H.; McRae, H. F.; King, L. J.; Dickie, R. E.; McLeod, R.; Kerr, M. Stella; Mackinnon, A. E.; Macleod, F. T.; Archibald, J. T.; Stephens, D. L.; Collie, J. R. M.; Gourley, Katherine I.; Robertson, R. R. H.; Cameron, D. A.; MacKay, M.; McLean, D. R.; Mackay, J. F.

PHILOSOPHY 8—*Ethics and Sociology.—Passed*—Burns, W. F.; Scrimgeour, J. A.; McLeod, A. A., B.A.; MacKeigan, J. A.; McRae, H. F.; Grant, W. P.; Farquhar, G.

PHILOSOPHY 9.—*Recent Metaphysics—Class I.*—Grant, W. P.; Munro, E. A. *Class II.*—Campbell, N. G.; Farquhar, G.; Mackeigan, J. A.; McLeod, A. A., B.A.; Miller, H., B.A. *Passed*—Fraser, H. C., B.A.

EDUCATION.—*Class I.*—Browne, Laurie B. W.; Matthews, A. F.; Murphy, Ethel; Seaman, A. W. *Class II.*—Archibald, J. T.; Dickson, Nellie; Kerr, M. Stella; Mackay, B. Lois; Marshall, Helen A. B.; Power, Nora N.; Webber, Kathleen *Passed*—Macleod, F. T.; Grant, W. P.; Mackeigan, J. A.; Read, W. K.; Farquhar, G.; Rettie, S.; Cunningham, Frances M.; Manuel, M. H.; Payson, Mary P.; King, L. J.; McInnes, C. J.; MacKay, J. F.; Dickie, R. E.; Sweet, W. H.; McLeod, R.; Gourley, Catherine I.; McLean, D. R.; Stephens, D. L.; Hattie, D. E.; MacKay, M. *Passed Special Exam.*—Rettie, Alex. *Passed Half Course*—Townsend, C. G.

MATHEMATICS 1.—*Class I.*—Duffy, L. L.; Grant, H. G.; Robertson, A. W.; Ross, A. *Class II.*—Archibald, A. A.; Goodwin, G. S.; Graham, F.; Hall, R.; Livingstone, G. C.; McIntosh, J. P.; McKenzie, C. E.; McLennan, J. C.; Murphy, Ethel; O'Brien, Norah; Roper, J. S.; Rudin, H. A.; Smith, Gladys. *Passed*—Dewis, Martha; Cornelius, J. R.; Marsters, Gladys. Hay, C. G.; Murdock, J. A. M.; Rice, G. E.; Smith, Lenore; Barnes, W. F.; Chisholm, S. J.; Wiswell, G. B.; Milligan, F. M.; Dickie, W. R.; Mack, F. G.; Webber, Kathleen; Parker, G. C; Herman, A. K.; Leslie, E.; Bruce, Alice; Herman, G. E. *Passed in Trigonometry and Algebra*—Anderson, J. R.; Gorham, Dorothy; MacAloney, Kathleen; McLean, D. R.; Whitman, Katherine. *Passed in Trigonometry and Geometry*—Brison, Nellie; Thompson, L. M.; Porter, A. M. *Passed in Geometry and Algebra*—Irwin, Margaret; Kerr, Estelle. *Passed in Trigonometry*—Arundell, J. H.; Cutler, Norah; MacKenzie, A. W.; Silver, Marguerite; Umlah, Alberta. *Passed in Geometry*—Browne, Laurie; Forbes, E. M.; Rettie, S.

MATHEMATICS 2.—*Class I.*—*Stewart, J. McG.; Townsend, W. T. *Class II.*—Titus, R. L. *Passed*—MacNeil, J.; Gunn, S.; Ferguson, C. S.; Lawrence, A. J.; Wallace, C. C.; Muise, J. B. *Passed in Analytic Geometry*—Butler, G. K. *Passed in Calculus*—MacAulay, A. G.

ASTRONOMY.—*Class I.*—Finlayson, G. D.; MacKay, Lois; MacKinnon, J.; Munro. K. M.; Stairs, G. W. *Class II.*—Collie, J. R.; Fraser, W. K.; Hamilton, J. H.; Hibbert, T. M.; MacAulay, A. G.; MacKay, A.; MacLeod, F. T.; MacRitchie J. J.; Sibley, Lena. *Passed*—Murray, C. D. R.; Porter, Sadie; Thomson, Effie; MacLeod, R.; Armitage, W. R.

PHYSICS 1.—*Class I.*—Stewart J. McG. *Class II.*—Archibald, J. T.; Baker, Grace J.; Daviss, Beatrice E.; Gunn S. *Passed*—Seaman, A. W.; Murphy, Clare; Robertson, R. B. H.; Titus, K. L.; (Matheson, D. J.; Matthews, A. F.); Hill, Ruby, MacInnes, C. J.; (Muise, J. B.; Read, W. K.); (Macdonald, Madge; Dodd, Florence).; Manuel, M. H.; Wallace, C. C.; (Campbell, N. G.; MacKinnon, A. E.; Tupper, Grace M.; Webber, Kathleen, J.)

PHYSICS 2.—*Class I.*—Finlayson, G. D.

PHYSICS 6.—*Class II.*—DeBlois, T. M. *Passed*—MacKay, B. Lois.

CHEMISTRY 1.—*Passed*—Giffin, Clare; Inglis, R. E.; Hall, R.; Duffy, L. L.; Robertson, A. W.; Livingstone, G. C.; Kerr, Stella; (Macdonald, S. J.; McLean, J. G.); MacKenzie, C. E.; Smith, Gladys; Cut'er. Norah; McKay, A. G.; (Cornelius, J. R.; Mackenzie, A. W.; MacLennan, J. C.); Barnes, W F.; McIntosh, J. P.; (Fraser, J. H.; Nairn, Winifred); (Forbes, E. M.; Silver, Marguerite; (McInnes, C. J.; Milligan, F. M.); (Archibald, A. A.; Cunningham, Frances); Irwin Margaret J.; Rudin, H. A.

CHEMISTRY 1A.—*Class I.*—Campbell, A. R.; Grant, H. G.; Ross, A. *Class II.*—Goodwin, G. S.; Graham, F. D.; Macleod, D.; Matheson, D. J.; Murdock, J. A. M.; O'Brien, Norah; Parker, G. C.; Whitman, Katherine. *Passed*—Hartigan, D. J.; Chisholm, S. J.; Wiswell, G. B.; Mack, F. G.; McAulay, J. P.; Creighton, T. M.; Thompson, L. M.; MacAloney, Kathleen.

CHEMISTRY 2.—*Class I.*—Wallace, C. C.; *Class II.*—Campbell, A. R. *Passed*—Goudge, Mabel; Titus, R. L.

GEOLOGY 1.—*Passed*—Finlayson, G. D.; Macleod, F. T.

GEOLOGY 4.—*Passed*—McAulay, A. G.

BIOLOGY.—*Class II.*—Collie, J. R. M. *Passed*—Goodwin, G. S.; Cameron, C. B.; Creighton, T. M.

HISTOLOGY.—*Passed*—Burris, M. G.

FACULTY OF ENGINEERING.

MATRICULATION.

BY CERTIFICATE.

JUNIOR.—FOR ENGINEERING.—*Passed with a Foreign Language.*—C. H. McDonald, H. W. Matheson, G. Simson, A. A. McAdam, F. M. Dawson.

Passed without a Foreign Language: K. G. Chisholm, C. L. Dimock, N. W. McKay, Walter Putnam, R. F. B. Wood, G. F. Murphy.

ADMISSION *ad Eundem Statum.*

G. L. Crichton (*McGill Univ.*)

SUPPLEMENTARY EXAMINATIONS.

ELOCUTION.—W. T. Powers.

MATHEMATICS 1.—(*Trigonometry and Algebra*): R. W. Fielding, E. B. Allen, J. F. Cahan; (*Algebra*): E. L. Thorne; (*Trigonometry*): J. W. Morrison.

MATHEMATICS 2.—(*Anal. Geom.*): A. S. Wall, G. B. McCunn; (*Calculus*): A. G. McAulay, J. B. Gilliat, E. S. Morrison.

PHYSICS 1.—H. W. Flemming, F. J. Dawson, A. S. Wall, G. B. McCunn.

PHYSICS 2.—J. B. Gilliat, G. F. Murphy.

PHYSICS 6.—F. C. Knight, F. H. McLearn.

CHEMISTRY 1A.—G. L. Crichton, C. D. R. Murray, F. J. Phelan.

CHEMISTRY 4.—B. W. Hills, J. W. Reid.

GEOLOGY 1.—J. B. Gilliat.

DRAWING 1.—F. C. Knight, T. M. DeBlois, F. J. Cahan, M. L. Fraser, F. J. Phelan.

DEGREE EXAMINATIONS.

CLASS LISTS.

Names in "Class I" and "Class II" are in Alphabetical Order. Names under heading "Passed" are in Order of Merit. The Asterisk indicates a High First Class.

ENGLISH 1.—*Class II.*—Putnam, W. *Passed*—Matheson, H. W.; MacKay, N. W.; Dawson, F. M.; McDonald, C. H.; Chisholm, S. J.; Kent, E. S.; Ralston, N. C.; Chisholm, K. G.; Dimock, C. L.

ELOCUTION.—*Passed*—MacKay, N. W.; Matheson, H. W.; Putnam, W.; Dawson, F. M.; Chisholm, K.; Kent, E. S.; Ralston, N. C.; Dimock, C. L.; McDonald, C. H.; Wood, R. F. B.; Arundell, J. D.; Silver, H. E.; Chisholm, S.

FRENCH 1.—*Class I.*—Arundell, J. D. *Class II.*—Dawson, F. M.; Putnam, W.; Ralston, N. C. *Passed*—Mackay, N. W.; Macdonald, C. H.; Dimock, C. L.

FRENCH 2.— *Class II.*—Stairs, D. *Passed*—Cahan, J. F.; Simson, G.

GERMAN 1.—*Class I.*—Matheson, H. W.

MATHEMATICS 1.—*Class I.*—Dawson, F. M.; McDonald, C. H.; Matheson, H. W. *Class II.*—Kent, E. S.; MacKay, N. W.; Putnam, W. *Passed*—Dimock, C. L.; Chisholm, K. J. *Passed in Trigonometry and Algebra*—McDonald, J. G. *Passed in Trigonometry and Geometry*—Ralston, N. C.; Simson, G. F. *Passed in Trigonometry*—Wood, R. F. B. *Passed in Algebra*—Allan, E. B.

MATHEMATICS 2.—*Class II.*—MacKenzie, C. J.; Stairs, D.; Crichton, G. L. *Passed*—Cavanagh, H.; Hardy, T. W.; Fielding, R. W. *Passed in Analytic Geometry*—Cahan, J. F.; Gaherty, G. A.; McCunn, G. B.; Wall, A. S. *Passed in Calculus*—Gilliat, J. B.; Morrow, E. S.

PHYSIC: 1..—*Class II.*—Stairs, D. *Passed*—Mackenzie, C. J.; Gaherty, G. A.; Cavanagh, H.; Fraser, M. L.; Mahon, H. W.; Cahan, J. F.

PHYSICS 2B.—*Passed*—McLean, A. S.; Hills, B. W.; Dawson, F. J.; MacMillan, J. P.; Morrison, E. S.; Wickwire, D. S.; (McAulay, A. G.; Wall, A. S.)

PHYSICS 6.—*Class I.*—Gaherty, G. A.; Stairs, D. *Class II.*—Cavanagh, H.; Dawson, F. J.; Mahon, H. W.; Murray, C. D. R.; Thorne, E. L. *Passed*—(Flemming, H. W.; MacMillan, J. P.); Hardy, T. W.; McLean, A. S.; Mackenzie, C. J.; (Cahan, J. F.; Wall, A. S.); (Ferguson, A.; Fraser, M. L.; McAulay, A. G.; Wickwire, D. S.

PHYSICS 7.—*Class I.*—Blois, C. L. *Class II.*—Bethune, R. J.; Grant, F. A. *Passed*—McLearn, F. H.; Marchant, D. H. M.; Gilliatt, J. B.

CHEMISTRY 1A.—*Class I.*—Dawson, F. M.; McDonald, C. H.; Matheson, H. W. *Class II.*—Dimock, C. L.; Kent, E. S.; MacKay, N. W.; Putnam, W. *Passed*—Chisholm, K. G.; Simson, G. F.

CHEMISTRY 4.—*Class I.*—Stairs, D. *Class II.*—Townsend, W. T. *Passed*—Cavanagh, H.; Gaherty, G. A.; (Hardy, T. W.; Mahon, H. W.); Ferguson A.; (MacKenzie C. J.; Powers, W. T.); (Fraser, M. L.; Gilliat, J. B.).

CHEMISTRY 7.—*Class I.*—Grant, F. A. *Class II.*—McLearn, F. H.

GEOLOGY 1.—*Passed*—Dawson, F. J.; Hardy, T. W.; Gilliat, J. B.; Wall, A. S.

GEOLOGY 3.—*Passed*—Fielding, R. W.; Hills, B. W.; McCunn, G. B.; Murphy, G. F.

GEOLOGY 4.—*Passed*—Bethune, R. J.; Blois, C. L.; Gilliat, J. B.; Marchant, D. H. M.

GEOLOGY 6.—*Passed*—Fielding, R. W.; Grant, F. A.; Hills, B. W.; McCunn, G. B.; McLearn, F. H.; Murphy, G. F.

MINERALOGY 1.—*Passed*—Fielding, R. W.; Hills, B. W.; McCunn, G. B.

ASTRONOMY.—*Class I.*—Bethune, R. J.; Blois, C. L.; Dawson, F. J.; Gilliat, J. B.; Knight, F. C.; McMillan, J. P.; Wickwire, D. *Class II.*—McLean, A. S.; Wall, A. S.; *Passed*—Flemming, H. W.; Marchant, D. H. M.

DRAWING 1.—*Class I.*—Dimock C. L.; Kent, E. S.; Matheson, H. W. *Class II.*—Dawson, F. M.; Finlayson, G. D.; Stairs, D.; Simson, G. F. *Passed*—Putnam, W.; Mahon, H. W.; McDonald, C. H.; Ralston, N. C.; Silver, H. E.; Wood, R. F. B.

DRAWING 2.—*Class I.*—Cavanagh, H.; McKenzie, C. J.; Stairs, D.; Bethune, R. J. *Class II.*—Finlayson, G. D. *Passed*—Cahan, J. F.

SURVEYING 1.—*Class I.*—Stairs, D. *Class II.*—Cahan, J. F.; Cavanagh, H.; Gaherty. G. A.; McKenzie, C. J.; Thorne, E. L., Jr.; Finlayson, G. D.; Morrison, E. S.; Powers, W. T. *Passed*—Allen, E. B.

SURVEYING 2.—*Class II.*—Dawson, F. J.; McLean, A. S. *Passed*—Flemming, H. W.; McMillan, J. P.; Morrison, E. S.; Wall, A. S.; Wickwire, D. S

SURVEYING 3.—*Class I.*—Blois, Cecil. *Class II.*—Dawson, F. J.; McLean, A. S. *Passed*—Bethune, R. J.; Marchant, D. H.; Knight, F. C.; Gilliat, J. B.; Flemming, H. W.; McMillan, J. P.; Morrison, E. S.; Wall, A. S.; Wickwire, D. S.

MECHANICS.—*Class I.* Grant, F. A. *Class II.*—Dawson, F. J.; McLean, A. S.; Gilliat, J. B. *Passed*—McMillan, J. P.; Morrison, E. S. Wall, A. S.; Wickwire, D. S.

STRUCTURES 1.—*Class I.*—Dawson, F. J.; McLean, A. S.; McMillan. J. P.; Morrison, E. S. *Class II.*—Flemming, H. W.; Wall, A. S.; Wickwire, D. S.

STRUCTURES 2.—*Class I.*—Blois, Cecil *Class II.*—Bethune, R. J. *Passed*—Marchant, D. H.; Knight, F. C.

RAILWAY ECONOMICS.—*Class I.*—Bethune, R. J.; Blois, Cecil. *Class II.*—Knight, F. C. *Passed*—Gilliat, J. B.; Marchant. D. H.

HYDRAULICS 1.—*Class I.*—Grant, F. A.; McMillan, J. P. *Class II.*—Dawson, F. J.; McLean, A. S. *Passed*—Knight, F. C.; Wickwire, D. S.; Flemming, H. W.; Morrison, E. S.

HYDRAULICS 2.—*Class I.*—Blois, Cecil. *Class II.*—Bethune, R J. *Passed*—Marchant, D. H.; Gilliatt, J. B.

MINING 1.—*Passed*—Hills, B. W.; Murphy, G. F.

MINING 2.—*Passed*—Grant, F. A.

MINING 3.—*Passed*—Grant, F. A.; McLearn, F. H.

MINING 4.—*Passed*—Grant, F. A.; McLearn, F. H.

METALLURGY 1.—*Passed*—Grant, F. A.; McLearn, F. H.

METALLURGY 2.—*Passed*—Murphy, G. F.; Hills, B. W.

METALLURGY 3.—*Class II.*—Grant, F. A.

METALLURGY 4.—*Passed*—McLearn, F. H.

METALLURGY 6.—*Passed*—Blois, C. L.; Gilliatt, J. B.; Bethune, R. J.; Marchant, D. H. M.

ENGINEERING LAW.—*Class II.*—Grant, F. A. *Passed*—Bethune, R. J.; Blois, C. L.; Gilliat, J. B.; McLearn, F. H.; Marchant, D. H. M.

SUMMER THESIS RECEIVED.—Bethune, R. J.; Blois, Cecil; Gilliat, J. B.; Knight, F. C.; Marchant, D. H.; Dawson, F. J; Flemming, H. W.; McLean, A. S.; McMillan, J. P.; Morrison, E. S.; Reid, J. W.; Wall, A. S.; Wickwire, D. S.; Allan, E. B.; Cahan, J. F.; Cavanagh, H.; Gaherty, G. A.; McKenzie, C. J.; Thorne, E. L., Jr.; Stairs, D.; Finlayson. G. D.

ENGINEERING CAMP ATTENDANCE.—Bethune, R. J.; Blois, Cecil; Gilliat, J. B.; Knight, F. C.; Marchant, D. H.; Dawson, F. J.; Flemming, H. W.; McLean, A. S.; McMillan, J. P.; Morrison, E. S.; Reid, J. W.; Wall, A. S.; Wickwire, D. S.; Allen, E. B.; Cahan, J. F.; Cavanagh, H.; Ferguson, A.; Gaherty, G. A.; Morrison, T. F.; Morrison, J. W.; McColough, R. W.; Phelan, F. J.; Thorne, E. L., Jr.; Stairs, D.; McCunn, G. B.; Murphy, G. F.; McKenzie, C. J.

FACULTY OF LAW.

DEGREE EXAMINATIONS.

CLASS LISTS.

Names in *Classes I.* and *II.* in order of merit.
Names in *Pass List* in alphabetical order.

International Law.

Class I.—Robinson, W. C.; (Craig, N. R.; Morine A. N.); Charman, J. H.

Class II.—Thibault, H.

Passed—Doyle, E. F.; Morse, C. R.; Power, W. K.

Conflict of Laws.

Class I.—Robinson, W. C.; Charman, J. H.; Power, W. K.
Class II.—Archibald, J. R.; Macdonald, W. C.
Passed—Cameron, A. J.

Constitutional Law.

Class II.—Ritchie, J. N.; Rettie, S.; Macdonald, W. C.; Hanway, J. A.

Passed—Buckles, D.; Doyle, E. F.; Fraser, A.; Gillies, J. J.; Jonah, E B.; Margeson, J. W.; Prowse, J. H.; Rive, R.; Robertson, R. B. H.; Russell, A. H.; Slipp, A. L.

Shipping.

Class II.—Fraser, E.; Buckles, D.; Legere, J. T.; Margeson, J. W.

Passed—Cahan, C. H. S.; Cameron, A. J.; Corey, L. A.; Doyle, E. F.; Hanway, J. A.; Jonah, E. B.; MacKenzie, E. C.; Rive, R.; Slipp, A. L.

Constitutional History.

Class I.—Menzie, H. W.

Class II.—Sinclair, D. C.; Martin, J. J.; King, L. J.

Passed—Clarke, C. S.; Farquhar, A.; Frame, A. C.; Fraser, W. K.; Gillies, J. J.; Pelton, G. V.

Torts.

Class I.—Menzie, Martin.

Class II.—Lordly, Clarke, Cameron.

Passed—Buckles, Chase, Farquhar, Frame, Fraser, Gillies, J. J.; Morrison, MacKinnon, C. F.; Patterson, H. S.; Pelton, Prowse, Smith.

Equity.

Class I.—Power, Patterson, McDonald, Morine, Charman, Maclean, Craig, Murphy, Archibald.

Class II.—Corey, Hanway, Jonah, Margeson.

Passed—Armstrong, Buckles, Cahan, Cameron, Doyle, Fraser, Legere, Morrison, Morse, McKenzie, Ritchie, Rive, Robinson, Russell, Slipp, Thibault.

SALES.

Class I.—Morine, Craig, Murphy, Archibald, Patterson, Maclean, Margeson, Power.

Class II.—Corey, Jonah, Ritchie, Rive.

Passed—Buckles, Cameron, Fraser, Hanway, Legere, Morrison, Morse, McDonald, McKenzie, Robinson, Russell, Slipp, Thibault.

CRIMES.

Class I.—Menzie, Patterson.

Class II.—Lordly, Clark.

Passed—Pelton, Buckles, Smith, Gillies, Farquhar, Cameron, D. A.; Morrison, Cameron, Frame, MacKinnon, James; Chase, MacKinnon, C. J.

TORTS

Class I.—Menzie, Patterson,

Class II.—Lordly, Clark.

Passed—Buckles, Cameron. D. A.; Cameron, A. J.; Chase, Farquhar, Frame, Gillies, MacKinnon, J.; MacKinnon, C. J.; Morrison, Pelton, Smith.

EVIDENCE.

Class I.—Morine, (Craig and Charman), Ritchie, (Cahan and Patterson), Martin, Power, Buckles, Thibault, Robinson.

Barnett, at a Special Examination, obtained first class.

Class II.—MacKenzie, Slipp, Hanway, Archibald, Russell, Jonah, Rive, Armstrong.

Passed—Cameron, Corey, Doyle, Macdonald, Maclean, Margeson, Morrison, Morse, Murphy.

REAL PROPERTY.

Class I.—Menzie, Martin, MacKenzie, Patterson, Archibald, Gillies.

Class II.—Buckles, MacKinnon, James; Smith, Clarke, Chase, Lordly, Farquhar, Morrison.

Passed—Pelton, Frame.

WILLS.

Class I.—MacKenzie, Margeson, Archibald, Ritchie, Macdonald.

Class II.—Fraser, A.; Patterson, Corey.

Passed—Rive, Buckles, Hanway, Russell, Slipp, Legere, Jonah.

CONTRACTS.

Class I.—Menzie, Martin, Farser, E.; Rettie.

Class II.—Clark, MacKinnon, Jas.

Passed—Cameron, D. A.; Chase, Farquhar, Frame, Gillies, Lordly, Pelton, Prowse, Robertson, R. B.; Smith.

FACULTY OF MEDICINE.

GENERAL PASS LIST.

(Alphabetical Order.)

PRIMARY M. D., C. M. EXAMINATION.

Section "A"—First Year.

Bober, Miss B. A.; *Calder, Allister; Burris, M. G.; Coffin, W. V.; Lindsay, W. S.; MacAulay, D. A.; Macdonald, J. J.; MacKay, Miss M. J.; MacMillan, Stanley; Morse, D. G.; ‡Reid, F. H.; Roy, A. K.; Saunders, R. McK.; Stramberg, C. W.

Section "B"—Second Year.

‡Bruce, J. G.; Calder, Allister; Cox, F. A.; Davis, P. D.; Grant, H. A.; Hennigar, C. S.; Macdonald, J. A.; Maclellan, R. G.; Moilliet, A. K.; ‡Mosher, B. W.; †Reid, F. H.; ‡Thibault, S. H.

FINAL M. D., C. M. EXAMINATION.

Section "A"—Third Year.

Brown, S. R.; Bruce, J. G.; McGarry, M. E.; McGarry, M. R.; Maclean, W. L.; MacLellan, R. A.; McLeod, W. A.; Mosher, B. W.; Patton, Weldon; Reid, F. H.; Thibault, S. H.

Section "B"—Fourth Year.

Carter, P. McF.; Chisholm, H. D.; LeBlanc, B. A.; Macdonald, John.

DEGREE EXAMINATIONS.

CLASS LISTS.

(Alphabetical Order.)

MEDICAL PHYSICS.

Distinction—None.

Passed—Brison, Miss E. P.; Coffin, W. V.; MacAulay, D. A.; MacKay, Miss M. J.; MacMillan, Stanley; Morse, D. G.; Saunders, R. McK.; Stramberg, C. W.

Supplementary, Sept., 1906—Calder, Allister.

Supplementary, April, 1907—Reid, F. H.

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* Supplementary, Sept., 1906.
† Supplementary, Jan., 1907.
‡ Supplementary, April, 1907.

JUNIOR CHEMISTRY.

Distinction—None.

Passed—Bober, Miss B. A.; Coffin, W. V.; Horne, A. E., MacAulay, D. A.; Macdonald, J. J.; Macdonell, W. S.; MacKay, Miss M. J.; Roy, A K.; Saunders, R. McK.; Stramberg, C. W.

Supplementary, Sept., 1906—Densmore, J. D.

BIOLOGY.

Distinction—Burris, M. G.; Lindsay, W. S.; Stramberg, C. W.

Passed—Bober, Miss B. A.: Brison, Miss E. P.; Coffin, W. V.; Macaskill, F. G.; MacAulay, D. A.; Macdonald, J. J.; Macdonell, W. S.; MacKay, Miss M. J.; MacMillan, Stanley; Morse, D. G.; Munroe, A. E.; Saunders, R. McK.

JUNIOR ANATOMY.

Distinction—Burris, M. G.; Coffin, W. V.; Lindsay, W. S.; MacAulay, D. A.

Passed—Bober, Miss B. A.; Macaskill, F. G.; Macdonald, J. J.; Macdonell, W. S.; MacKay, Miss M. J.; MacMillan, Stanley; Morse, D. G; Roy, A K.; Saunders, R. McK.; Stramberg, C. W.

SENIOR CHEMISTRY.

Distinction—Davis, P. D.; Hennigar, C. S.; Moilliet, A. K.

Passed—Calder, Allister; Cox, F. A.; Grant, H. A.; MacDonald, J. A.; Maclellan E. K.; Maclellan, R. G.

Supplementary, Jan., 1907—Reid, F. H.

Supplementary, April, 1907—Johnston, S. R.; Mosher, B. W.; Thibault, S. H.

PHYSIOLOGY AND HISTOLOGY.

Distinction—Davis, P. D.; Grant, H. A.; Hennigar, C. S.; Moilliet, A. K.

Passed—Calder, Allister; Cox, F. A.; MacDonald, J. A.; Maclellan, R. G.

Supplementary, April, 1907— Johnston, S. R.

SENIOR ANATOMY.

Distinction—Davis, P. D.; Grant, H. A.; Hennigar, MacDonald, J. A.

Passed—Calder, Allister; Cox, F. A.; MacLellan, E. K.; Maclellan, R. G.; Moilliet, A. K.

Supplementary, April, 1907—Bruce, J. G.

MATERIA MEDICA AND THERAPEUTICS.

Distinction—Maclean, W. L.; Patton, Weldon.

Passed—Brown, S. R.; Bruce, J. G.; McGarry, M. E.; McGarry, M. R.; MacLellan, R. A.; MacLeod, W. A.; Mosher, B. W.; Reid, F. H.; Thibault, S. H.

PATHOLOGY AND BACTERIOLOGY.

Distinction—Maclean, W. L.; Patton, Weldon.

Passed—Brown, S. R.; Bruce, J. G.; McGarry, M. E.; McGarry, M. R.; MacLellan, R. A.; MacLeod, W. A.; Mosher, B. W.; Reid, F. H.; Thibault, S. H.

MEDICAL JURISPRUDENCE AND HYGIENE.

Distinction—None.

Passed—Carter, P. McF.; Chisholm, H. D.; LeBlanc, B. A.; McDonald, John.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.

Distinction—Carter, P. McF.; Chisholm H. D.

Passed—LeBlanc, B. A.; Macdonald, John.

SURGERY.

Distinction—None.

Passed—Carter, P. McF.; Chisholm, H. D.; LeBlanc, B. A.; Macdonald, John.

CLINICAL SURGERY.

Distinction—Carter, P. McF.

Passed—Chisholm, H. D.; LeBlanc, B. A.; Macdonald, John.

MEDICINE.

Distinction—None.

Passed—Carter, P. McF.; Chisholm, H. D.; LeBlanc, B. A.; Macdonald, John.

CLINICAL MEDICINE.

Distinction—Carter, P. McF.

Passed—Chisholm, H. D.; LeBlanc, B. A.; Macdonald, John.

STUDENTS, 1906-1907.

FACULTY OF ARTS AND SCIENCE.

(The number following the name indicates the year of the course of the student.)

Anderson, John Roger, 1 ..... Halifax.
Archibald, Alfred Arnold, 1 ..... New Westminster, B. C.
Archibald, John Thomas, 3 ..... Guysboro Co.
Armitage, William Robert Ramsay, 2... Halifax.
Baker, Grace Josephine, 2 ..... Dartmouth.
Barnes, William Fielding, 1 ..... Halifax.
Bayer, Jean Gordon, 3 ..... Halifax.
Black, Charles Guy, 2 ..... Oxford.
Bowes, Florence Jane ..... Halifax.
Brison, Nellie Gertrude, 1 ..... West Gore.
Browne, Laurie Browne Ward, 3 ..... Springhill.
Bruce, Alice Alice Arbuthnot, 1 ..... Truro.
Buckley, Louis Albert, 2 ..... Halifax.
Burris, Matthew George, 4 ..... Musquodoboit.
Butler, George Kelley, 2 ..... Liverpool.
Cameron, Albert Angus, 2 ..... Glace Bay, C. B.
Cameron, Clarence Bain, 2 ..... New Glasgow.
Cameron, Donald Alexander, 3 ..... Sutherland's River.
Campbell, Alexander Rae, 2 ..... Merigomish.
Campbell, Bernard Ness, 1 ..... Windsor.
Campbell, Norman Garfield, 4 ..... Windsor.
Chase, Margaret Cogswell, 2 ..... Port Williams.
Chisholm, Stanley James, 1 ..... Halifax.
Collie, John Robert, 3 ..... River John.
Colquhoun, Elizabeth Short, 1 ..... Halifax.
Cornelius, Julius Robert, 1 ..... Halifax.
Creelman, Amelia, 2 ..... Bass River.
Creighton, Annie Grassie ..... Dartmouth.
Creighton, Henry Jermain, B.A. ..... Dartmouth.
Creighton, Thomas McCully, 1 ..... Dartmouth.
Crichton, Josephine Adele ..... Halifax.
Crowe, John Congdon, 2 ..... Truro.
Cunningham, Frances Muriel, 3 ..... Dartmouth.
Cutler, Norah Fitzroy, 1 ..... Halifax.
Daviss, Beatrice Elinor ..... Dartmouth.
Dennis, Agnes Miller, 3 ..... Halifax.
Dennis, Clarissa Archibald ..... Halifax.
Dewis, Martha Ellen, 1 ..... Shubenacadie.
Dickie, Rufus Edward, 4 ..... Stewiacke.
Dickie, Walter Reginald, 1 ..... Stewiacke.
Dickson, Margaret Eleanor ..... Halifax.
Dodd, Florence Ellen, 3 ..... Shubenacadie.
Duffy, Leon Levett 1 ..... Hillsboro, N. B.
Finlayson, George Daniel, 4 ..... Merigomish.

Forbes, Archibald Graham, 1 ..... North Sydney, C. B.
Forbes, Evan McKenzie, 1 ..... North Sydney, C. B.
Fraser, Alexander David, 3 ..... Scotsburn.
Fraser, Everett, 4 ..... North Lake, P. E. I.
Fraser, Harry Clement, B. A. ..... York, N. B.
Fraser, James, 2 ..... Boularderie, C. B.
Fraser, James A., 2 ..... New Glasgow.
Fraser, James Henry, 2 ..... Alma.
Fraser, William Kenneth, 4 ..... Halifax.
Giffin, Amy Clare, 2 ..... Isaac's Harbour.
Gillies, John James, 3 ..... Sydney, C. B.
Goodwin, Guy Stuart, 1 ..... Halifax.
Gorham, Dorothy Constance, 1 ..... Halifax.
Goudge, Mabel Ensworth, 3 ..... Halifax.
Gourley, Cassie Isabelle, 4 ..... Sheet Harbour.
Graham, Frank Dunstone, 1 ..... Halifax.
Grant, Harry Goudge, 1 ..... Halifax.
Grant, William P., 4 ..... Sunny Brae.
Gunn, Angus Stirling, 2 ..... St. Mary's.
Hall, Thomas Roy, 1 ..... Sheet Harbour.
Hamilton, Clare ..... Rockingham.
Hamilton, James Henry, 3 ..... Burnside.
Harper, Nellie ..... Chipman, N. B.
Hartigan, David James, 1 ..... Sydney Mines, C. B.
Hattie, Daniel, 3 ..... Caledonia.
Hay, Clarence Gordon, 1 ..... Richmond, N. B.
Hemphill, Annie G. ..... Debee, N. B.
Hermann, Arthur Kenneth, 1 ..... Dartmouth.
Hermann, George Evans, 1 ..... Dartmouth.
Hibbert, Thomas Maxwell, 2 ..... Truro.
Hill, Ruby, 2 ..... Onslow.
Inglis, Katherine, 1 ..... Halifax.
Inglis, Robert Ebenezer, 2 ..... Lochaber.
Irvine, George Wilmot, 3 ..... St. John, N. B.
Irwin, Margaret Jean, 1 ..... Wine Harbour.
Kerr, Mary Estella, 4 ..... Eureka.
King, Lewis Jack, 3 ..... Buctouche, N. B.
Landry, René Wilfrid ..... Yarmouth.
Lawrence, Amos Jesse, 2 ..... Southampton.
Learment, John Donald, 1 ..... Truro.
Leitch, Roy, 3 ..... Charlottetown, P. E. I.
Leslie, Eric, 1 ..... Halifax.
Livingstone, Grover Cleveland, 1 ..... Dorchester, Mass.
Mack, Frank Gordon, 1 ..... Halifax.
MacAloney, Kathleen Isabelle, 1 ..... Rockingham.
McAulay, Angus Gillis, 4 ..... Glace Bay, C. B.
McAulay, John Philip, 1 ..... Englishtown, C. B.
Macdonald, Alexander Thomas, 1 ..... Reserve Mines, C. B.
Macdonald, Annie Josephine, 2 ..... West Bay, C. B.
McDonald, Donald William, 2 ..... Earltown.
Macdonald, Madge, 2 ..... Halifax.
Macdonald, Stewart John, 2 ..... Marble Mt., C. B.
Macdonald, Victoria Albert, 1 ..... Halifax.
McDougall, John Cameron, 1 ..... Sydney, C. B.
McInnes, Charles John, 3 ..... Lake Ainslie, C. B.
McIntosh, John Philip, 1 ..... Pleasant Bay, C. B.

McKay, Alexander 2 ..... Emerald, P. E. I.
McKay, Alexander Gidney, 2 ..... Dartmouth.
Mackay, Barbara Lois, 4 ..... Dartmouth.
Mackay, Helen Stuart, 1 ..... Bridgewater.
McKay, Jamieson Fraser, 3 ..... New Glasgow.
Mackay, Malcolm, 3 ..... North Earltown.
MacKeigan, John Angus, 3 ..... Sydney, C. B.
MacKenzie, Alexander William, 1 ..... Bedford.
McKenzie, Charles Edward, 1 ..... Springhill.
MacKinnon, Alexander Edward, 3 ..... Strathlorne, C. B.
MacKinnon, James, 3 ..... Whycocomagh, C. B.
McKinnon, Roderick William, 1 ..... North Sydney, C. B.
McLean, Daniel Redmond, 3 ..... Pictou.
McLean, John Grant, 2 ..... Thorburn.
McLellan, John Archibald, 4 ..... Kempt Rd., C. B.
Maclellan, Robert William, 4 ..... Halifax.
McLennan, John C., 1 ..... Big Bras d'Or, C. B.
McLeod, Angus Alexander, B. A. ..... Baddeck, C. B.
McLeod, Beverley Frank, 3 ..... Penobsquis, N. B.
McLeod, Daniel, 1 ..... Point Tupper, C. B.
McLeod, Frank Thomas, 4 ..... Burnside.
McLeod, Mabel Elizabeth, 2 ..... Penobsquis, N. B.
McLeod, Ronald, 3 ..... Scotland.
Macmillan, Victoria Katherine, 2 ..... West Bay, C. B.
McMillan, Stanley, 2 .....
MacNeil, John, 2 ..... Glace Bay. C. B.
MacRae, Hector Francis, 4 ..... Middle River, C. B.
Macritchie, John James, 3 ..... Englishtown, C. B.
Malcolm, William Wallace, 2 ..... St. John, N. B.
Manuel, Murray Hayward, 3 ..... Hawkshaw, N. B.
Marshall, Helen Annie Blanche, 3 ..... Halifax.
Marsters, Gladys May, 1 ..... Hants.
Matheson, Donald John, 3 ..... Marble Mt., C. B.
Matthews, Allan Fraser, 4 ..... Alberton, P. E. I.
Maycock, Elizabeth Jane, 2 ..... Halifax.
Miller, Hugh, B. A. ..... Garden of Eden.
Miller, John Robert, 4 ..... Tangier.
Milligan, Francis Millidge, 1 ..... Bear River.
Mitchell, Walter ..... Halifax.
Morse, David Garnet, 2 ..... Lawrencetown.
Morton, Margaret Dennis ..... Halifax.
Muise, James Bernard, 2 ..... Weymouth.
Munro, Ernest Alexander, 3 ..... Antigonish.
Munro, Kenneth McLeod, 2 ..... Boularderie, C. B.
Murdoch, John Allen McIntosh, 1 ..... Sherbrooke.
Murphy, Clare, 2 ..... Halifax.
Murphy, Ethel, 3 ..... Moncton, N. B.
Nairn, Winifred, 2 ..... Truro.
Nicholson, Malcolm, 3 ..... Halifax.
Noble, Mary Eliza ..... Hardwicke, N. B.
O'Brien, Nora Ephrem, 1 ..... Halifax.
Parker, Guy Cameron, 1 ..... Halifax.
Parkinson, Dorothy ..... Dartmouth.
Patterson, Grace Harris, 4 ..... Truro.
Payson, Mary Phœbe, 4 ..... Digby Co.
Porter, Alexander Murray, 2 ..... Alma.
Porter, Sarah Elizabeth, 2 ..... Alma

Power, Nora Neill, 3 ..... Halifax.
Prowse, James Harper, 4 ..... Halifax.
Read, William Kiever, 3 ..... Athole.
Reid, James William, 3 ..... Middleton.
Rettie, Alexander, 4 ..... Stillman.
Rettie, Samuel, 4 ..... Stillman.
Rice, George Edward, 1 ..... Bear River.
Robertson, Alexander William, 1 ..... Bridgeville.
Robertson, Robert Burnley Hume, 4 .... Barrington.
Roper, John Shenstone, 1 ..... Halifax.
Rosborough, Wilmer Brydone, 2 ..... North Sydney, C. B.
Ross, Albert, 1 ..... New Glasgow.
Ross, William Charles, 3 ..... Halifax.
Rudin, Henry Albert, 1 ..... Port-o'-Spain.
Russell, Bernard Wallace, 2 ..... Halifax.
Sanford, Evelyn ..... Halifax.
Sanford, Mabel Kathleen ..... Halifax.
Sibley, Lena Mildred, 2 ..... Halifax.
Siderski, Louis, 2 ..... Glace Bay, C. B.
Silver, Marguerita Hattnal Louise, 1 ... Halifax.
Sinclair, Donald Carmichael, 2 ..... New Glasgow.
Smith, Arthur Walton Leslie, 3 ..... Annapolis.
Smith, Gladys May, 1 ..... Halifax.
Smith, Minnie Lenore,1 ..... Sydney, C. B.
Stairs, George William, 3 ..... Halifax.
Starr, Allan Philip, 1 ..... Halifax.
Stephens, D. L. ..... Waterford, N. B.
Stewart, James MacGregor, 2 ..... Pictou.
Strickland, Winifred Claire ..... Halifax.
Sutherland, Archibald, 1 ..... Trenton.
Sweet, William Henry, 4 ..... St. Anthony, P. E. I.
Thomas, Arthur Ogden, 2 ..... Truro.
Thompson, Lewis Murdoch, 1 ..... New Glasgow.
Thomson, Effie May, 2 ..... Halifax.
Thorne, Emilie Jesse, 1 ..... Dartmouth.
Titus, Robie Leslie, 2 ..... Digby Co.
Tolson, Harry Stanislaus, 3 ..... Bedford.
Townsend, Colin Guilford ..... Traveller's Rest, P. E. I.
Townsend, William Thomas, 2 ..... Tangier.
Trefry, Edith Crowell ..... Halifax.
Tupper, Grace Marjorie, 2 ..... Bridgewater.
Umlah, Anna May Boak, 2 ..... Halifax.
Umlah, Lillie Alberta Boak, 1 ..... Halifax.
Waddell, John Barclay, 1 ..... Halifax.
Walker, Eliza Clara, 2 ..... New Glasgow.
Wallace, Curtis Clayton, 2 ..... Halifax.
Wallis, Bessie ..... Halifax.
Watson, Robert Anderson, 4 ..... Baddeck Forks, C. B.
Webber, Kathleen Jackson, 3 ..... Sackville, N. S.
Whitman, Katherine McNeil, 1 ..... Halifax.
Wiswell, Gordon Blanchard, 1 ..... Halifax.
Woodbury, Gladys Louise ..... Halifax.
Yeoman, Eric MacKay, 4 ..... Halifax.

FACULTY OF ENGINEERING.

Allan, Edward Blake, 2 ..... Halifax.
Arundell, John D'Auvergne Harris, 1 ... Rockingham.
Bethune, Robert Anderson Jones, 4 ..... Baddeck, C. B.
Blois, Cecil Leroy, 4 ..... Halifax.
Cahan, John Frederick, 2 ..... Halifax.
Cavanagh, Harry 2 ..... New Glasgow.
Chisholm, Kenneth Gordon, 1 ..... Halifax.
Crichton, Gordon Lithgow, 3 ..... Halifax.
Dawson, Francis Murray, 1 ..... Truro.
Dawson, Frederick James, 3 ..... Truro.
DeBlois, Thomas Melville, 2 ..... Bedford.
Dimock, Clarence Lewis, 1 ..... Newport.
Elliott, Laurie Benjamin, 3 ..... Dartmouth.
Ferguson, Alexander, 3 ..... Halifax.
Fielding, Ralph Watson, 3 ..... Dartmouth.
Flemming, Horace Walds, 3 ..... Halifax.
Fraser, Martin Luther, 2 ..... West River.
Gaherty, Geoffrey Abbott, 2 ..... Halifax.
Gilliatt, John Burton, 4 ..... Granville Centre.
Grant, Francis Alpin, 4 ..... Halifax.
Hardy, Thomas Woodburne, 2 ..... Halifax.
Hills, Benjamin Wesley, 3 ..... Halifax.
Kent, Edward Sherburne, 1 ..... Truro.
Knight, Frederic Car, 3 ..... Bedford.
McAdam, Angus Alexander, 1 ..... Malignant Cove.
McColough, Reginald Walker, 2 ..... Halifax.
McCunn, George Basil, 2 ..... River John.
McDonald, Charles Hugh, 1 ..... Sydney, C. B.
Macdonald, James Gordon ..... Truro.
MacKay, Neil William, 1 ..... Balmoral Mills.
MacKenzie, Chalmers Jack, 2 ..... Milltown, N. B.
McLearn, Frank Harris, 4 ..... Dartmouth.
McLean, Alexander Stirling, 3 ..... West Bay, C. B.
McMillan, John P. ..... Ainslie Glen, C. B.
Mahon, Harry Wendell, 1 ..... Truro.
Marchant, David Harold Melburn, 4 .... Lakeville.
Matheson, Howard Watson, 1 ..... West River.
Millar, John McIntosh, 3 ..... Yarmouth.
Morrison, Bernard Houseal, 1 ..... Stellarton.
Morrison, Edward Sanborn, 3 ..... Milltown, N. B.
Morrison, John William, 2 ..... Oldham.
Morrison, Thomas Fletcher, 2 ..... Halifax.
Morrow, James Bain, 3 ..... Halifax.
Murphy, Gerald Francis, 3 ..... Halifax.
Murray, Charles Dempster Rutherford, 2. Hopewell
Phelan, Frederick Justin, 2 ..... Halifax.
Powers, William Thompson, 2 ..... Lunenburg.
Putnam, Walter, 1 ..... Maitland.
Ralston, Norman Chester, 1 ..... Amherst.
Silver, Harold Edward, 1 ..... Halifax.
Simson, George Francis, 1 ..... Halifax.
Stairs, Denis, 2 ..... Halifax.
Thomson, John Barbour, 1 ..... Halifax.
Thorne, Edward Lefferts, 2 ..... Dartmouth.
Wall, Arthur Stanford, 3 ..... Truro.
Wickwire, Dwight Stanley, 3 ..... Halifax.
Wood, Robert Ferrier Burns, 1 ..... Halifax.

FACULTY OF LAW.

UNDERGRADUATES.

THIRD YEAR.

Cameron, Allen Joseph, B. A (St. F. X.) ..... Heatherton.
Charman, James Harry, B. A. (Dal.) ..... Wallace.
Craig, Netson Ross ..... Shelburne.
Maclean, Donald, B. sc. (Dal.) ..... Fourchu. C. B.
Morine, Alfred Nevill ..... Toronto, Ont.
Morse, Clifford Russell, B. A. (St. F. X.)..... Amherst.
Murphy, Roy Clarke, B. A. (U. N. B.) ..... Andover, N. B.
Power, William Kent, B. A. (Dal.) ..... Halifax.
Robinson, William Charles, B. A. (King's) ..... North Sydney.
Thibault, Hilary Cyrus, B. A. (St. Anne's)..... Salmon River, Digby

SECOND YEAR.

Archibald, James Ross, B. A. (Dal.)..... Truro.
Armstrong, William Boardman. ..... Truro.
Cahan, Charles Hazlitt, Jr. ..... Halifax, N. S.
Corey, Lloyd Allison ..... Petitcodiac, N. B.
Doyle, Ernest Frederick ..... Halifax.
Fraser, Alister, B. A. (Dal.) ..... Halifax.
Hanway, James Albert ..... Truro.
Jonah, Everett Bruce, B. A. (U. N. B.)..... Fredericton, N. B.
Leger, Joseph Theophile..... Richibucto, N. B.
Macdonald, William Chisholm, B. A. (St. F. X.). Bailey's Brook.
MacKenzie, Ewen Cameron, B. A. (Dal)..... Flat River, P. E. I.
Margeson, Joseph Willis..... Berwick.
Morrison, John Lauchlin ..... St. Peter's
Patterson, Henry Stuart, B. A. (Dal.) ..... Tatamagouche.
Ritchie, Joseph Norman, B. sc. (McGill)..... Halifax.
Rive, Rupert ..... Caraquet, N. B.
Russell, Arthur Hawthorne ..... Dartmouth.
Slipp, Arthur Lawrence ..... Woodstock, N. B.

FIRST YEAR.

Clark, Collingwood Steeves ..... Moncton, N. B.
Gillies, John J. ..... Sydney, C. B.
Martin, John Joseph, B. A. (St. F. X.) ..... Lourdes.
Menzie, Harry Weston ..... Tatamagouche.
MacKinnon, Colin Francis, B. A. (St. F. X.) .... Antigonish.
Pelton, Gerald Vincent ..... Yarmouth.
Smith, Don Cecil ..... Halifax.

GENERAL STUDENTS.

Buckles, Daniel ..... Margaree, C. B.
Cameron, Donald Alex. ..... Sutherland's River.
Chase, Harold Munro ..... Sheffield Mills.
Farquahar, Alexander.. ..... Newport, Hants.
Frame, Arthur Cochran ..... Halifax.
Fraser, William Kenneth ..... Halifax.
Fraser, Everett ..... North Lake, P. E. I.
King, Lewis Jack ..... Buctouche, N. B.
Lordly, Lionel Robert..... Chester.
MacKinnon, Alex E. ..... Strathlorne, C. B.
MacKinnon, James ..... Whycocomagh, C. B.
Prowse, James Harper ..... Halifax.
Rettie, Samuel... ..... Stillman.
Robertson, Robert Burnby Hume ..... Barrington.
Sinclair, Donald Carmichael ..... New Glasgow.

FACULTY OF MEDICINE.

UNDERGRADUATES.

FOURTH YEAR.

Carter, Peter McFarlane ..... Antigonish.
Chisholm, Hugh Dan ..... Springville, Pictou
LeBlanc, Benjamin A., *B.A.* (St. Anne) .. Arichat.
Macdonald, John ..... Huntington, C. B.

THIRD YEAR.

Brown, Samuel Ritty ..... Shelburne.
Bruce, James Garfield ..... Barney's River, Pictou.
McGarry, Michael Richard, *B.A.* (St. F.X.) Margaree, Inv.
McGarry, Moses Elijah ..... " "
Maclean, Walter Leonard ..... Halifax.
MacLellan, Robert Augustus ..... Goldboro, Guysb.
MacLeod, William Arthur ..... Lansdowne, Pictou.
Mosher, Byard William ..... Kempt Shore, Hants.
Patton, Weldon ..... Roslin, Cumb.
Reid, Frank Henry ..... Nictaux.
Thibault, Siffroi Henry ..... Salmon River, Digby.

SECOND YEAR.

Calder, Allister ..... Springville, Pictou.
Cox, Frederick Austin ..... Upp. Stewiacke, Col.
Davis, Percy Douglas ..... Clifton, Col.
Grant, Hector Alexander ..... Boulardarie East, C. B.
Hennigar, Clyde Straughn ..... Chester.
Macdonald, John Alexander ..... Harbor au Bouché, Antigonish.
Maclellan, Edward Kirk ..... Halifax.
Maclellan, Robert Gordon ..... Pictou.
Moilliet, Alexander Keir ..... Great Malvern Wor., England.

FIRST YEAR.

Bober, Bessie Angela, *B.A.* (Kings) ..... Windsor.
Brison, Eliza Perley ..... West Gore, Hants.
Burris, Matthew George ..... Upp. Musquodoboit.
Coffin, William Vernon ..... Bristol, P. E. I.
Densmore, James Douglas .....
Horne, Albert Edward ..... Halifax.
Lindsay, Walker Stewart, *B.A.* (Dal.) ... Halifax.
MacAskill, Frederic Graham ..... St. Peters, C. B.
MacAulay, Daniel Angus ..... Englishtown, C. B.
MacDonald, John James, *B.A.* (St. F. X.) New Glasgow.
Macdonell, Peter Winfrid Smythe ..... Port Hood, Inv.
MacKay, Mary Jane ..... Trenton, Pictou.
MacMillan, Stanley ..... Isaac's Harbour, Guys.
Morse, David Garnet ..... Lawrencetown, Annap.
Munroe, Allister Edward ..... Westville, Pictou.
Roy, Alexander Kerr, *B.A.* (Dal.) ..... Maitland, Hants.
Saunders, Reginald McKean ..... Clarence West, Annap.
Stramberg, Charles William ..... River John, Pictou.

APPENDIX.

DONATIONS TO THE UNIVERSITY.

1864.

Endowment of Chair of Mathematics by Church of Scotland, N.S. ..... $ 20,000

1878-84.

Endowment of Chairs of Physics, History, Law, English and Philosophy by George Munro..... $226,000
Salaries of Tutors, and Exhibitions from George Munro.... 103,150

1882.

Endowment of Chairs of Classics, Modern Languages and Chemistry by Alexander McLeod..... $100,000

1889.

Donation to New Building by Sir William Young..... $ 20,000
Other gifts, including those below, about..... 48,000

1890.

Bequest of John P. Mott ..... $ 10,000

1901.

Bequest of Professor Macdonald..... $ 2,000

1902.

MEMORIAL GIFTS.

In memory of the late Hon. J. W. Carmichael.. .. .. $ 1,000
In memory of Miss Bessie Mott... 1,000

ENDOWMENTS FOR PRIZES.

Waverley Prize..... $ 1,000
North British Bursary, by North British Society (Annual Value)..... 60
Young Medal and Scholarship, by Sir Wm. Young..... 4,000
Mackenzie Bursary, by Mrs. Mackenzie of Stornoway..... £ 1,000
Avery Prize, by Dr. J. F. Avery..... $ 500

UNIVERSITY LIBRARY, 1867.

The Lieutenant Governor.	$ 400	J. A. Sinclair.....	$ 100
John Tobin, M.P.P.....	200	W. A. Henry.....	100
Dr. C. Tupper	100	J. Stairs.....	100
James Thomson..... ..	100	Smaller sums..	474
Rev. G. M. Grant.....	100		
Dr. Avery	100	Total..	$ 1775

FIVE YEARS' FUND, 1870-75.

Rev. G. M. Grant.....	$ 200	Prof. Liechti..	100
John Doull..	200	James Thomson	100
W. J. Stairs..	200	R. Morrow..	100
Sanford Fleming..	200	J. Stairs...	100
Sir Wm. Young.....	160	Hon. J. Northup..	100
Medical Faculty..	160	R. H. Collins.....	100
Robert Boak...	160	Alex. McLeod.....	100
Dr. Avery..	150	J. Donaldson...	100
Adam Burns...	125	A. K. Mackinlay..	100
Sir Charles Tupper.. ...	100	T. A. Ritchie..	100
Principal Ross..	100	E. Smith...	100
Prof. Lawson..	100	R. H. Skimmings..	100
Prof. Johnson..	100	Smaller sums...	379
Prof. DeMille..	100		
John S. MacLean.....$	100	Total.. .. ..$	5734

ENDOWMENT FUND, 1879.

Sir William Young... ..$	1000	Adams Burns.. .. ..$	500
W. J. Stairs..	1000	Peter Jack..	500
Hon. Stayley Brown.. ..	1000	Hon. J. Northup..	500
John Gibson..	1000	Prof. Lawson	500
John P. Mott..	1000	Alex. McLeod..	500
William P. West..	1000		
Thomas A. Ritchie	1000	Total..	$10,500
Hon. Robert Boak	1000		

LABORATORIES AND MUSEUM.

1880.

Sir William Young	$ 500	Hon. J. Northup	$ 100
Prof. MacGregor	200	W. J. Stairs	100
Dr. Avery	100	W. P. West	100
Thos. Bayne	100	Smaller sums	1195
Hon. R. Boak	100		
Alex. McLeod	100	Total	$ 2695
John MacNab	100		

1883.

Dr. Wm. McCulloch for maintenance of McCulloch Collection..$1400

GYMNASIUM FUND, 1881.

F. B. Chambers	$ 50 00
Smaller sums	164 00
Total	$214 00

CURRENT EXPENSES, 1882-86.

Sir William Young	$ 400	Geo. Thomson	$ 100
John Doull	200	James Scott	100
J. S. Maclean	200	A. K. Mackinlay	80
Thos. Bayne	200	Dr. Avery	50
J. Gibson	200	J. J. Bremner	40
Rev. J. McMillan	200	Smaller sums	60
John MacNab	150		
President Forrest	150	Total	$ 2330
A. G. Jones			

LAW LIBRARY, FROM 1883.

John Y. Payzant	$ 650	Sir William Young	$ 200
Robert Sedgewick	600	Robert Boak	100
Wallace Graham	500	Doull and Boak	100
Prof. Weldon	500	R. I. Hart	100
Prof. Russell	450	Prof. MacGregor	100
S. L. Shannon	525	J. Norman Ritchie	100
G. S. Harrington	320	W. J. Stairs	100
J. S. D. Thompson	300	J. J. Stewart	100
Jas. Thomson	225	Smaller sums	1215
Charles J. Townshend	225		
H. McD. Henry	225	Total	$ 6605

BUILDING FUND, 1886.

Rev. L. H. Jordan	$ 1000	Mr. Justice Graham	$ 200
John Doull	750	James Scott	150
J. S. Maclean	750	R. B. Seeton	150
R. Sedgewick	750	Rev. J. McMillan	150
Thos. Bayne	500	William Robertson	150
John McNab	500	J. C. Mackintosh	150
Adam Burns	500	H. McD. Henry	150
Hon. R. Boak	500	J. Y. Payzant	150
Dr. Avery	500	Pearson, Morrison and Forbes	150
President Forrest	375	J. J. Stewart	120
James Forrest	300	Rev. E. Scott	100
Professor Johnson	250	Peter Ross	100
Peter Jack	250	H. W. C. Boak	100
William Miller	250	Pictou Academy	100
Professor Macdonald	250	Smaller sums	640
Professor MacGregor	225		
A. & W. Mackinlay	225	Total	$10635
Professor Alexander	200		

ENDOWMENT FUND, 1892.

T. E. Fraser	$ 600	C. H. Cahan	$ 200
J. W. Carmichael	500	J. F. McLean	150
Prof. Lawson	500	L. Longworth	100
Prof. Macdonald	500	R. J. Turner	100
Prof. Weldon	500	Geo. Campbell	100
J. D. MacGregor	400	Mrs. J. R. Dickie	100
D. C. Fraser	250	J. C. Mahon	100
J. M. Carmichael	250	H. T. Sutherland	100
G. Forrest McKay	250	Hon. T. McKay	100
Prof. H. Murray	250	Smaller sums	1665
Sinclair & Patterson	240		
H. Mackenzie	200	Total	$ 7155

FIVE YEAR FUND—CURRENT EXPENSES, 1892-97.

John Doull	$ 2500	Rev. John McMillan	$ 250
Adam Burns	2500	J. C. Mackintosh	250
W. J. Stairs	1250	J. A. Turnbull	200
Hon. R. Boak	1250	Dr. A. H. MacKay	200
Donald Keith	1000	Prof. Liechti	200
W. B. Ross	800	Dr. G. M. Campbell	150
President Forrest	750	W. Dennis	125
Prof. Johnson	500	H. W. Barnes	125
Prof. Russell	500	W. J. McDonald	125
T. Ritchie	500	James Thomson	100
Farquhar & Forrest	500	J. McG. Stewart	100
Prof. W. Murray	500	J. H. McKenzie	100
Class of 1903	500	A. K. McLean	100
Prof. MacGregor	400	W. D. Cameron	100
Drysdale & McInnis	300	Smaller sums	1420
Dr. D. A. Campbell	300		
Dr. D. A. Murray	300	Total	$18145
R. L. Borden	250		

LABORATORIES—SINCE 1891.

Alumni Association	$3158 74
Dr. A. H. MacKay	1258 00
Professor E. Mackay	764 14
Medical Faculty	173 80
Cape Breton Alumni	50 00
Class, 1906	

UNIVERSITY LIBRARY—SINCE 1892.

Alumni Association	$ 756 75	Class of 1894	$ 40 00
Prof. MacMechan (course of Lectures)	573 00	" 1895	50 00
Prof. Seth (course of Lectures)	245 00	" 1896	210 00
The Misses Mott	300 00	" 1897	50 00
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A. D. Gunn	100 00	" 1899	256 60
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Mrs. C. Archibald	24 00	" 1905	201 83
Medical Faculty	22 70		$1569 88
R. H. Graham	20 00		
Smaller amounts	36 00		
Total	$2572 89		

SCHOOL OF MINES, 1902-3.

J. F. Stairs	$ 5000	H. G. Bauld	$ 1000
Hon. D. MacKeen	2500	Alfred Putnam	1000
Hon. W. J. Stairs	2500	Forrest McKay	1000
Harvey Graham	2500	Raymond Dand	1000
T. Ritchie	2000	Daughters of late Hon. J. W. Carmichael	1000
G. S. Campbell	2000	George Stairs	1000
T. Cantley	1500	Bequest of Miss E. J. Mott	1000
W. T. Allen	1000	Mr. and Mrs. H. McInnes	1000
W. B. Ross	1000	Smaller amounts over	23000
J. C. Mackintosh	1000		
John MacNab	1000		

CHAIR OF CIVIL ENGINEERING—FIVE YEAR FUND, 1904.

Kelley & Glassey	$ 750	W. M. Aitken	$ 125
Alumni Association	625	Hon. David McPherson	125
Prof. D. A. Murray	500	D. A. Campbell, M.D.	125
W. B. Ross	500	James Farquhar	125
B. F. Pearson	500	Henry Sanders	125
W. H. Wickwire, M.D.	500	H. W. Cameron	100
H. Hesslein & Sons	500	A. Hobrecker	100
C. H. Cahan	375	D. R. Clarke	100
F. B. McCurdy	250	H. L. Chipman	75
J. J. Stewart	250	J. A. Turnbull	50
Geoffrey Morrow	125	A. B. Crosby	25
J. A. Johnson	125	J. W. G. Thomson	25
Rod. Macdonald	125		
C. H. Porter	125	Total	$ 6350

MACDONALD MEMORIAL, 1902.

Subscribed to May 1st, 1907	$25030 00
Paid in	10926 48

ENGINEERING INSTRUMENTS.
1905.

R. I. Hart	$100 00
G. S. Campbell	50 00
R. M. MacGregor, M.P.P.	50 00
M. Carney, M.P.	25 00
J. Walter Allison	25 00
J. O'Mullin	25 00
George Patterson, M.P.P.	5 00
	$280 00

GIFTS OF APPARATUS.

To the Physical Laboratory:

From the Canadian General Electric Co., through F. Nichols, Esq:
A motor-generator set, consisting of a 2 H. P. induction motor with a direct current generator; a switch board with one astatic voltameter, two astatic ammeters, rheostat, automatic cut-outs, etc.

From Dr. A. P. Reid:
A motor storage cell.

To the Geological Laboratory:

From John Moffatt, Esq., Glace Bay:
A fine collection of local fossils.

From the relatives of the late Dr. Honeyman:
A collection of specimens.

To the Mining Laboratory:

From the Massachusetts Institute of Technology:
A Collum jig; an experimental Bartlett Table, a pair of Cornish Rolls, valued at $150.

From the Canadian Rand Drill Co.:
A Compressor, valued at $450.

From the Truro Foundry Co.:
A Wilfley Table, valued at $400.

From G. J. Partington:
Frame for Stapm Mill, valued at $100.

From the Canadian Westinghouse Mfg. Co.:
A Three Phase Motor, 4 H. P., valued at $180.

To the Museum:

From the late Rev. Dr. Wm. McCulloch:
A collection of native birds.

From the late Rev. Dr. G. Patterson.
An Archæological collection.

PAST AND PRESENT OFFICIALS.

GOVERNORS.

1818.—Before incorporation, the Earl of Dalhousie, Hon. M. Wallace, and the Rev. Dr. A. Gray, were active in preparing plans and superintending the construction of the building. Dr. Gray was the Secretary of the Trustees of the College, which at first was called "St. Paul's," then the "Halifax" College.

1821.—The Act of Incorporation named the Earl of Dalhousie, Governor-General; Sir James Kempt, Lieutenant-Governor; Robert Stanser, Bishop of Nova Scotia; Hon. S. S. Blowers, Chief Justice and President of the Council; Hon. Michael Wallace, Treasurer of the Province; S. Bradstreet Robie, Speaker of the Assembly, and the President of the College, and their successors in office as the "Governors of Dalhousie College." "The Minister of the Scotch Church in Halifax," recommended by Earl Dalhousie, was left out.

1840.—A conditional Act, designed to make the Governing Board more democratic and representative of the various religious denominations, named the Lieutenant-Governor, Sir Colin Campbell, Hon. S. B. Robie, S. G. W. Archibald, M. Tobin, L. O'Connor Doyle, J. B. Uniacke, C. W. Wallace, John Whidden, Joseph Howe, H. Bell, J. N. Shannon, J. E. Fairbanks and Wm. Young, as Governors.

1841.—The Act conferring University powers, gave the Governor-in-Council power to appoint; and he appointed Lord Falkland, Hon. Alex. Stewart, Hon. Wm. Young, Hon. H. Bell, C. W. Wallace, John Whidden, J. E. Fairbanks, W. Gregor, M. D., M. B. Almon, M. D., C. Twining,; Wm. Lawson, J. F. Gray, R. S. Black, M. D., J. E. Starr, A. F. Sawyers, M. D., John McDonald, M. D., and G. Firth. Hon. Wm. Young retired within a year and was succeeded by Wm. Stairs.

1848.—The Governor-in-Council was empowered to appoint not less than five nor more than seven Governors of the College. Hon. Wm. Young. Hon. Joseph Howe, Hon. H. Bell, Dr. Gregor, Dr. Avery, A. MacKinlay and John Naylor, were appointed.

1856.—There was no change in the Board during the union with Gorham College in 1856-7; but within a year or two, Hon. Dr. Gregor ceased to be a member, and two years later Hon. H. Bell and John Naylor were no longer members.

1863.—When the College was re-organized there were added to the existing Board, three new members, and later, Rev. G. M. Grant, representing the Church of Scotland, and C. Robson, the Presbyterian Church of the Lower Provinces. Since the re-organization, the following have been Governors:—

GOVERNORS.

1848-87—Sir Wm. Young.
1848-73—Hon. Joseph Howe.
1848-87—J. F. Avery, M. D.
1848-67—A. MacKinlay.
1863—Sir Chas. Tupper.
1863-86—Hon. J. W. Ritchie.
1863-94—Hon. S. L. Shannon.
1864-84—Rev. G. M. Grant.
1865-77—Chas. Robson.
1868-76—Alex. Forrest, M.D.
1874-77 Rev. G. W. Hill.
1876-85—W. J. Stairs.
1876-79—Hon. J. Northup.
1876-1906—Hon. A. G. Jones.
1876-82—Hon. W. P. West.
1876—The Mayor of Halifax.
1876-93—The President of Alumni.
1879—Rev. Dr. McMillan.
1879—Rev. Dr. Forrest.
1879-89—J. S. McLean.
1879-88—Peter Jack.
1879-1900—John Doull.
1882—Rev. Dr. R. Murray.
1883-91—Hon. J. Macdonald.
1883—Hon. W. Graham.
1885-92—Sir Adams Archibald.
1887-90—George Thomson.
1888—A. H. MacKay, LL.D.
1888-96—Adam Burns.
1893—D. A. Campbell, M. D.
1893-1905—Sir Robert Boak.
1893—Hon. W. S. Fielding.
1893—Thomas Ritchie.
1893-95—James Forrest.
1893-1905—J. F. Stairs.
1893—A. I. Trueman, D. C. L.
1900—Hon. D. MacKeen.
1900—Rev. F. H. W. Archbold.
1900—C. Archibald.
1900-01—E. Farrell, M. D.
1900—J. W. Allison.
1900—H. McInnis.
1901—Hon. G. H. Murray.
1905—J. C. Mackintosh.
1905—G. S. Campbell.
1906—Hon. D. C. Fraser.

CHAIRMEN OF GOVERNORS.

1818—Earl of Dalhousie.
1820—Sir James Kempt.
1826—Hon. M. Wallace.
1836—Sir Colin Campbell.
1840—Lord Falkland.
1848—Sir William Young.
1885—Sir Adams Archibald.
1893—John Doull.
1900—John F. Stairs.
1905—Thomas Ritchie.

TREASURERS.

1863—James Thomson.
1868—George Thomson.
1889—James Forrest.
1895—H. McInnes, LL. B.

SECRETARIES.

1818—Rev. Dr. A. Gray.
1820—J. W. Nutting.
1841—H. Hartshorne.
1848—Alex. James.
1850—James Thomson.
1868—George Thomson.
1876—W. M. Doull.
1893—H. McInnes, LL. B.
1900—H. B. Stairs, B. A., LL.B.

ACADEMIC STAFF.

PRESIDENTS.

1831—Dr. John S. Memes.*
1838-43—Rev. Thos. McCulloch, D. D.
1863—Rev. James Ross, D. D.
1885—Rev. John Forrest, D. D., D. C. L., LL. D.

DEANS.

College.

1856-7—Hugo Reid.
1901—Howard Murray, B. A.

Science.

1891—J. G. MacGregor, F. R. S.
1901-6—E. Mackay, PH. D.

Medicine.

1868-85—Hon. W. J. Almon, M.D.
1890—George Lawson, LL. D.
1895—E. Farrell, M. D.
1901—G. L. Sinclair, M. D.

Law.

1883—R. C. Weldon, PH. D.

*Dr. Memes accepted appointment but never entered upon the duties of the office.

SECRETARIES.

Senate.

1863—C. Macdonald, M. A.
1884—G. Lawson, LL. D.
1895—J. G. MacGregor, D. Sc.
1901—H. Murray, B. A.
1904—W. C. Murray, LL. D.

Arts.

1885—J. G. MacGregor, D. Sc.
1890—A. MacMechan, PH. D.
1906—D. A. Murray, PH. D.

Medicine.

1868-75—A. P. Reid, M. D.
1885—A. W. H. Lindsay, M. D.

Law.

1884—B. Russell, D. C. L.

Science.

1901-6—D. A. Murray, PH. D.

Engineering.

1906-7—F. H. Sexton, B. Sc.

LIBRARIANS.

Arts.

1868—James DeMille, A. M.
1880—John Forrest, D. D.
1885—W. J. Alexander, PH. D.
1889—James Seth, M. A.
1892—Walter C Murray, M. A.
1902—D. A. Murray, PH. D.
1906—A MacMechan, PH. D.

Law.

1883-85—J. T. Bulmer.

PROFESSORS.

Classics.

1838-42—Rev. Alexander Romans.
1856-57—Rev. Geo. Cornish, LL.D.
1863-94—J. Johnson, LL. D.
1894—Howard Murray, B. A.

Mathematics.

1838-44—Rev. James MacKintosh.
1856-57—Rev. F. Tompkins, LL. D.
1863-1901—Chas. Macdonald, M.A.
1901—Daniel A. Murray, PH. D.

Philosophy.

1838-43—Rev. T. McCulloch, D. D.
1863-85—Rev. James Ross, D. D.
1863-90—Rev. Wm. Lyall, LL. D., F. R. S. C.
1882-86—J. G. Schurman, now President of Cornell.
1886-92—James Seth, M. A., now Professor in Edinburgh
1892—W. C. Murray, LL.D.

Modern Languages.

1843—Lorenzo Lacoste.
1844-5—J. A. DeLoute.
1856-7—George D'Utassy.
1863-4—Louis Pujol (Tutor).
1865-1906—James Liechti, L.H.D.,
1906—H. P. Jones, PH. D.

English.

1838-43—Rev. T. McCulloch, D. D.
1856-57—Hugo Reid.
1865-80—James DeMille, M. A.
1882-84—J. G. Schurman, D. Sc.
1884-89—Wm. John Alexander, PH. D., now Professor in Toronto.
1889—A. MacMechan, PH. D.

Physics.

1838-44—Rev. James MacKintosh.
1856-57—Rev. Frederick Tompkins.
1863-65—Rev. Thomas McCulloch.
1865-77—Chas. Macdonald, M. A.
1877-79—J. J. MacKenzie, PH. D.
1879-1901—J. G. MacGregor, D. Sc., F. R. S., now Professor in Edinburgh,
1901-04—Stephen M. Dixon, M. A.
1905—A. S. MacKenzie, PH. D.

Chemistry.

1863-95—Geo. Lawson, F. R. S. C.
1896—Ebenezer Mackay, PH. D.

History.

1865-80—James DeMille, M. A.
1881—Rev. John Forrest, D. C. L.

Law.

1883—R. C. Weldon, PH. D.
1884—B. Russell, D. C. L.

Mining.

1904-7—F. H. Sexton, B. Sc., now Director of Technical Education, N. S.

Geology.

1903—J. E. Woodman, D. Sc.

Civil Engineering.

1904-5—S. M. Dixon, M. A., now Professor in Birmingham.
1905—E. Brydone-Jack, B.A., C.E.

LECTURERS.

Medicine.

1868-75—Hon. W. J. Almon, M.D.
1868-70—Alex. Hattie, M. D.
1868-75—Alfred H. Woodill, M. D.
1868-75—Alex. P. Reid, M. D.
1868-75—Edward Farrell, M. D.
1870-75—W. B. Slayter, M.R.C.S.
1870-75—Hugh A. Gordon, M. D.
1870-75—James R. DeWolf, M. D.
1870-75—John Somers, M. D.
1870-75—Hiram Blanchard, Q. C.
1873-75—Arch. Lawson, M.R.C.S.

Law.

1883-86—Rt. Hon. Sir John-Thompson, LL. D.
1883-88—Hon. Robert Sedgewick, LL. D.
1883-88—James Thomson, Q. C.
1883-91—Hon. S. L. Shannon, D. C. L.
1883-92—Hon. Wallace Graham.
1884-92—John Y. Payzant, M. A.
1886-1904—C. S. Harrington, K.C.
1888-92—Hon. C. J. Townshend.
1892-93—E. L. Newcombe, LL. B.
1892-94—Wm. B. Ross,
1892-1902—George Ritchie, LL. B.
1894—H. McInnes, LL. B.
1896-1900—Chas. H. Cahan, B. A., LL. B.
1902-03—G. A. R. Rowlings, LL.B.
1902—Judge Wallace.
1904-06—J. A. Chisholm, LL. B.
1906—W. F. O'Connor, LL. B.
1907—Judge Patterson.

Science.

1876-77—J. G. MacGregor, D. Sc.
1877-79—H. A. Bayne, F. R. S. C.
1877-79—J. J. MacKenzie, PH. D.
1877-83—Rev. David Honeyman, D. C.L., F. R. S. C.
1891—A. H. MacKay, LL. D.
1893—Alex. McKay.
1895—S. A. Morton, M. A.
1895-96—Wm. J. Karslake, PH. D.
1896-1907—W. T. Kennedy.
1896-1906—G. J. Miller.
1899-1902—A. Halliday, M. D.
1900-01—C. L. Moore, B. A.
1901-05—H. S. Poole, D. Sc., F. R. S. C.
1904-05—T. C. Hebb, PH. D.

Engineering.

1891-1904—M. Murphy, D. Sc.
1891-1904—E. Gilpin, LL. D.
1891-1904—F. W. W. Doane.
1892-1904—C. E. W. Dodwell.
1892-1904—R. McColl.
1896-1904—C. Archibald.
1900-05—F. H. Mason, F. C. S.
1905-06—J. W. Marshall.

Arts.

1890-94—Howard Murray, B. A.
1898—J. W. Logan, B. A.
1901-3—Rev. Prof. Gordon, D. D.
1901-07—Prin. Falconer, D. Litt.
1904-05—Prof. Stockley, M. A.
1904—Prof. R. Magill, PH. D.
1904—G. K. Butler, M. A.
1905—Rev. J. Carruthers.
1906-7—W. D. Tait, M. A.

MUNRO TUTORS.

Classics.

1883—James S. Trueman. B. A.
1885—John P. McLeod, B..A —
1887—Howard Murray, B. A.
1889—James C. Shaw, M. A.

Mathematics.

1883—George M. Campbell, B. A.
1885—Daniel A. Murray, PH. D.
1887—A. Stan. Mackenzie, PH. D.
1889—Alex. M. Morrison, M. A.

Assistants in Mathematics.

1893-94—G. A. R. Rowlings, B. A.
1900-01—Murray Macneil, M. A.

Tutors in Classics.

1904-06—A. C. Johnson, B. A.
1906-7—C. W. Neish, B. A.

EXAMINERS.

Medicine.

1888-98—John Somers, M. D.
1889—G. L. Sinclair, M. D.
1889—D. A. Campbell, M. D.
1889—A. W. H. Lindsay, M. D.
1889-1904—J. Stewart, M. D.
1889-99—A. C. Page, M. D.
1889-91—W. B. Slayter, M. D.
1889-1905—Hon. D. McN. Parker, M. D.
1889-1900—E. Farrell, M. D.
1889—A. J. Cowie, M. D.
1889-1905—J. F. Black, M. D.
1889—A. P. Reid, M. D.
1889-92—A. Morrow, M. D.
1890-92—Hon. S. L. Shannon.
1891—M. A. Curry, M. D.
1891-1905—M. MacLaren, M. D.
1892-1905—Hon. H. McD. Henry,
1892-1902—W. Tobin, F.R.S.C.
1892-1902—W. S. Muir, M. D.
1894—F. W. Goodwin, M. D.
1895—L. M. Silver M. D.
1895—F. U. Anderson, M. D.
1899—W. H. Hattie, M. D.
1900—G. M. Campbell, M. D.
1901—N. E. MacKay, M. R. C. S.
1902—H. H. MacKay, M. D.
1902—M. Chisholm, M. D.
1902—N. F. Cunningham, M. D.
1904—J. W. MacKay, M. D.
1906—E. V. Hogan, M..D
1906—J. G. McDougall, M. D.
1906—D. McIntosh, M. D.
1906—W. B. Moore, M. D.
1906—R. A. H. MacKeen, M. D.
1906-7—F. H. Mason, F. C. S.
1906-7—Prof. W. H. Salmon.
1907—A. L. McCallum, B. Sc.

Music.

1898-1900—C. H. Porter.
1898—F. H. Torrington, D. Mus.
1898—Rev. R. Laing.

DALHOUSIE HIGH SCHOOL.

Masters.

1848-50 Thos. McCulloch.
1848-51—Dr. S. Brown.
1848-55—H. Oldbright.
1850-55—M. McCulloch.
1851-55—John Costley.
1850-55—J. K. Rouselle.
1855-60—Hugo Reid.
1855-60—G. D'Utassy.
1855-60—James Woods.

GRADUATES,

1866--1907.

DOCTORS OF LAWS.

(Honoris Causa.)

1896 *a* Bailey, Loring Woart, *M.A., Ph.D., F.R.S.C.*
1901 *b* Fraser, Chas. Frederick, *M.A.*
1892 *c* Gilpin, Edwin, Jr., *A.M., F.R.S.C.*
1904 *d* Gordon, Rev. Daniel Miner, *M.A, D.D.*
1892 † Grant, Very Rev. Geo. Munro, *D.D., F.R.S.C.*
1902 *e* Griffin, Martin Joseph, *B.A.*
1900 *f* Johnson, John, *M. A.*, (Dub.).
1896 † Kingsford, Wm., *C.E., LL.D., F.R.S.C.*
1901 *g* MacGregor, James Gordon, *M.A., D.Sc., LL.D., F.R.S.*
1892 *h* MacKay, Alex Howard, *B.A., B.Sc., F.R.S.C.*
1902 *i* Murray, Robert.
1896 †Patterson, Rev. George, *D.D., F.R.S.C.*
1901 *j* Pollok, Rev. Allan, *D.D.*
1904 *k* Sawyer, Rev. Artemas Wyman, *D.D., LL.D.*
1893 † Sedgewick, Hon. Robert.
1901† Smith, Rev. T. Watson, *D.D.*
1892 † Thompson, Rt. Hon. Sir John Sparrow David, *K.C.M.G.*
1906 *l* Trotter, Rev. Thomas, *D.D.*

MASTERS OF ARTS.

1876 Allan, John Munn.
1905 Allin, Richard Winfred.
1872 Annand, Joseph.
1897 Archibald, Alexander David.
1898 Archibald, Herb. Thompson.
1894 Archibald, Sara Elizabeth.
1878 Archibald, Wm. Prescott.
1902 Armitage, Wm. James.
1898 Austen, Minna May.
1906 Baillie, Charles Tupper
1899 Baird, Frank, *B.A.* (U.N.B.).
1900 Barnes, James.
1892 Baxter Agnes Sime.
1906 Bayer, Harriet Muir.
1872 † Bayne, Herbert Andrew.
1896 Bent, Matilda Agatha.
1898 Bigelow, Harry Veeder.
1899 Burchell, Charles Jost.
1890 Burkitt, Robert James.
1903 Burris, Grace Dean.
1897 Butler, George Killam.
1898 Cameron, Ira William.
1871 Cameron, John J.
1904 Campbell, Duncan McDonald.
1895 Campbell, William Robert.
1871 Carr, Arthur F.
1869 Chase, Joseph Henry.
1903 Christie, Clarence Victor.
1905 Christie, George Archibald.
1899 Church, Nina Elizabeth.
1880 † Creelman, David Fulton.
1907 Creighton, Hy. Jermain Maude.
1905 Crowdis, Charles Jacob.
1891 Crowell, Edwin.
1896 Currier, Frank Allison.
1900 Davis, Roy.
1904 Daviss, Alfred Edward.
1883 Dickie, Alfred.
1904 Eaton, Arthur Wentworth Hamilton.
1907 Ferguson, Alexander.
1888 Fitzpatrick, Hiram Henry Kirkwood.
1897 Forbes, Edgar William.
1872 † Forrest, James.
1902 Forrest, Jean Fairbanks.
1897 Foster, Arthur Hayward.
1897 Frame, David Annand.
1904 Fraser, Alex. Lewis.
1891 Grant, David Kenzie.
1898 Grant, George Alexander.
1895 Grant, Melville Finlay.
1895 † Grant, Robert J.
1902 Grant, William McDonald.
1894 † Harrington, Emily Bevan.
1898 Hebb, Bertha Boyd.
1901 Hebb, Thomas Carlyle.
1898 Hepburn, William Murray.
1878 Herdman, James Chalmers.
1881 Herdman, William Close.
1895 Jamieson, Harriet Jane.
1898 Jordan, Edward Elliot.
1878 Jordan, Louis Henry.

† Deceased.
a Prof. of Nat. Hist. N. B. Univ.
b Prin. Hfx. School for the Blind.
c Dep.-Comr. of Mines, N. S.
d Prin. Queens University.
e Librarian of Parliament, Ottawa.
f Emeritus Prof. of Classics, Dal. Un.
g Prof. of Nat. Phil., Edin. Univ.
h Supt. of Education, N. S.
i Editor of the *Presbyterian Witness*.
j Hon. Prin. Presb. Coll., Hfx.
k Prof. of Philos. Acadia Univ.
l Ex-President Acadia Univ.

1905 Kent, Henry Arnold.
1888 Langille, Robert McDonald.
1902 Lawson, David Alexander.
1894 Logan, John Daniel.
1880 Logan, Richmond.
1894 McArthur, Samuel Johnson.
1907 McCain, George Leonard.
1895 Macdonald, Charles DeWolf.
1870 † McDonald, John H.
1901 Macdonald, Murdoch Stewart.
1895 Macdonald, Peter McLaren.
1874 MacGregor, James Gordon.
1897 McIntosh, Charles Daniel.
1900 Macintosh, Finlay H.
1896 Macintosh, John.
1901 Mackintosh, Peter Duncan
1895 † Mackay, Angus William.
1903 Mackay, Annie.
1906 MacKay, Geo. Moir Johnston.
1898 McKay, Ira Allan.
1895 † Mackay, John Daniel.
1897 McKay, Mary Alexandra.
1899 McKay, William Roderick, *M.A.* (Prin.), *ad eund. grad.*
1898 McKay, Thomas Calvin.
1895 MacKenzie, Ellen Margaret.
1875 MacKenzie, Hugh.
1872 † McKenzie, John Jas.
1905 MacKenzie, Thomas George.
1903 MacKenzie, William Roy.
1902 McKinnon, Duncan Hugh.
1897 McLean, Laughlin Hugh, *B.A.* (Queens).
1906 McLean, Murdoch Campbell.
1887 McLennan, John Wm.
1878 † McLeod, Alexander.
1907 MacLeod, Angus Alexander.
1880 † McLeod, John Wilson.
1897 McNairn, William Wallace.
1870 McNaughton, Samuel.
1898 McPhee, Margaret Janet.
1903 Macpherson, Malcolm James.
1899 Millar, James Ross.
1907 Miller, Hugh.
1907 Miller, Lemuel James.
1896 Milligan, George Seaton.
1907 Moore, Clarence Leander.
1907 Morrison, John Wm. Geddie.
1894 Morton, Silvanus Archibald.
1899 Murdoch, Wm. Clarence, *M.A.* (Prin.), *ad eund grad.*
1901 Murray, Adam Henry Stewart
1893 Murray, Walter Chas., *M.A.* (Edin.), *ad eund. grad.*
1904 Myers, Alex. John Wm.
1901 Myers, Charles Allan.
1881 Newcombe, Edm. Leslie.
1898 Nicholson, John Wm. Angus.
1901 Outhit, Wm. Edward.
1887 Patterson, George Geddie.
1906 Payzant, Arthur Silver.
1902 Read, Edith MacGregor.
1901 Robertson, Samuel Napier.
1896 † Robins, Edwin Proctor.
1905 Ross, Edwin Byron.
1895 Ross, Hedley Duncan Vicars.
1896 Ross, Jennie Wright.
1896 Ross, Mary Sophia.
1901 Ross, William Alexander.
1903 Ruggles, Vernon Douglas,
1875 Scott, Ephraim.
1871 Smith, David H.
1890 † Smith, James Festus.
1897 Smith, William Henry.
1905 Stavert, Robert Hensley.
1896 Strathie, Ralph Grant.
1898 Sutherland, George Adam.
1898 Trefry, James Hartley.
1878 Trueman, Arthur I.
1898 Trueman, Margaret Florence.
1899 Watt, Arthur William.

MASTERS OF LETTERS.

1900 Hobrecker, Alma Helena.
1893 Muir, Ethel.
1902 Lanos, Jules Marie.

MASTERS OF SCIENCE.

1898 Archibald, Ebenezer Henry.
1903 DeWolfe, Loran Arthur.
1905 Gordon, George Huntley.
1904 Ross, William Horace.

BACHELORS OF ARTS.

The numbers affixed in some cases to the names have the following significations:—

1—High Honours in Classics.
2—Honours in Classics.
3—High Honours in Latin and English.
4—Hons. in Latin and English.
5—High Honours in Greek and English.
6—Hons. in Greek and English.
7—High Honours in English and German.
8—Hons. in English and German.
9—High Honours in English and English History.
10—Honours in English and English History.
11—High Hons. in Philosophy.
12—Honours in Philosophy.
13—High Honours in Pure and Applied Mathematics.

† Deceased.

14—Hons. in Pure and App. Math.
15—High Honours in Mathematics and Physics.
16—Hons. in Math. and Physics.
17—High Hons. in Experimental Physics and Chemistry.
18—Hons. in Exp. Phys. and Chem.
19—High Hons. in Chemistry and Chemical Physics.
20—Hons. in Chemistry and Chemical Physics.
21—Great Distinction.
22—Distinction.
23—Governor-General's Gold Medal.
24—Governor-General's Silver Medal
25—Sir Wm. Young's Gold Medal.
26—DeMille Gold Medal.
27—Mackenzie Gold Medal.
28—University Medal.
29—1851 Exhibition Science Research Scholarship.
30—Avery Prize.

1904 Acham, Joseph Leon.
1884 *a* Adams, Hy Stanislaus, 14, 24.
1895 Aitken, Rob. Traven Davison.
1885 † Aiton, William, 1, 23.
1873 Allan, John Munn.
1905 Allin, Richard Winfred, *B.A.*, (Tor.) *ad. eund. grad.*
1889 Allison, Edmund Powell.
1886 Allison, Matthew Gay, 30.
1899 Anderson, Chas. Willoughby.
1899 Anderson, Jas. Hy. Addison, 12.
1904 Andrew, George Allen.
1893 Annand, Edward Ernest.
1869 *b* Annand, Joseph.
1895 Archibald, Adams Douglas.
1895 Archibald, Alexander David.
1899 Archibald, Eugenie, 22.
1877 † Archibald, Fred. Wm.
1906 Archibald, James Ross.
1897 *c* Archibald, Herb. Thompson, 1
1892 *d* Archibald, Sara Eliz, 21, 30.
1872 Archibald, Wm. Prescott.
1901 Armitage, Wm. Jas.
1897 Austen, Minna May, 21, 30.
1905 Baillie, Charles Tupper.
1899 *e* Baird, Jno. Wm. Adams, 13, 25.
1896 Baker, Elma.
1892 Bacon, Frank Wright Mudge, 14.
1904 Ballem, John Cedric.
1899 *f* Barnes, James, 14, 29.
1905 Barnett, John, 9.
1893 *g* Barnstead, Arthur Stanley.
1906 Barnstead, Winifred Glen.
1906 Bauld, Wm. Alfred Gordon.
1891 *h* Baxter, Agnes Sime, 13, 25.
1904 Bayer, Harriet Muir.
1869 *i* †Bayne, Herbert Andrew.
1871 Bayne, Ernest Samuel.
1904 Begin, Thurston Stanley.
1876 *j* Bell, Francis Hugh, 2, 23.
1883 Bell, John Albert, 2, 23.
1900 *k* Benoit, John Alphonse, 14.
1895 Bent, Matilda Agatha.
1900 Bentley, John Skipwith, 22.
1901 Best, Lillian Gertrude, 2.
1894 Bigelow Harry Veeder, 22, 30
1904 *ll* Blackwood, Florence Elizabeth, 22, 30.
1898 Blanchard, Aubrey Blanchard, 12.
1905 Blanchard, Charles Prescott.
1880 † Blanchard, Charles Waddell.
1903 Blois, Harry Hope.
1899 Borden, Lorris Elijah.
1903 Bradley, John Alexander.
1894 Brehaut, Ernest, 1, 28.
1894 *l* Brehaut, Ernest, 1, 28.
1891 *m* Brehaut, Jas. Wm., 1.
1898 Brodie, William Stuart.
1899 Brown, Ernest Nicholson, 12.
1906 Bruce, James Garfield.
1872 Bruce, William T.
1904 Brunt, Howard Dayne.
1873 Bryden, Charles William.
1887 Buchanan, James Jost, 12.
1898 † Buchanan ,Murdoch.
1906 † Buckley, Roy Clifford.
1897 Burchell, Charles Jost.
1867 Burgess, Joshua C.
1889 Burkitt, Robt. Jas., 14.
1906 Burns, Ralph Chester.
1904 Burris, Estella Mabel.
1899 Burris Grace Dean.
1907 Burris, Matthew George.
1896 *o* Butler, George Killam.
1886 *oo* Cahan, Charles Hazlitt.
1878 Cairns, John Andrew.
1886 Calder, John.
1887 Calkin, Wm. Sommerville, 30.
1879 Cameron, Chas. Symonds, 10.
1897 Cameron, Ira William, 13, 25.
1878 Cameron, John Hugh, 24.
1867 Cameron, John J.
1873 *p* Cameron, William.
1898 Campbell, Alvin Henry.
1886 Campbell, Alexander John.
1890 *q* Campbell, Donald Frank.

---

† Deceased.
a Some time Prof. of Math. Detroit College.
b Missionary in New Hebrides.
c Some time Fellow and Scholar, (J. H. U.), Prof. of Greek, Occidental College, Los Angeles.
d Some time Scholar (Bryn Mawr).
e Some time Scholar (Cornell).
f Asst. Prof. of Physics (Bryn Mawr).
g Editor of *Acadian Recorder*, Hfx.
h Some time Fellow (Cornell).
i Some time Prof. of Chem. (Royal Mil. College, Kingston).
j Solicitor of City of Halifax.
k Instructor (Norm. Schl., N. S.).
l Some time Scholar, Harv.; Prof. of Latin (Colorado College).
ll Teacher, Ladies' Coll, Hfx.
m Supt. of Schools, North Attleboro, Mass.
n Rhodes Scholar, P. E. I., 1905.
o Lecturer in Classics (Dal. Coll.).
oo General Counsel, Mexican Light and Power Co., Mexico City.
p Chairman, Advisory Board of Education.
q Some time Fellow (Harv.); Prof. of Math. (Armour Inst., Chic.).

1898 Campbell, Duncan McDonald.
1882 *r* Campbell, Geo. Murray, 14, 25
1902 Campbell, Jessie Bell.
1899 Campbell, Jessie Brown.
1904 Campbell, Margaret Primrose Dickson.
1907 Campbell, Norman Garfield.
1892 Campbell, Robert Sedgewick.
1887 *s* Campbell, William Robert.
1872 † Carmichael, Jas. Matheson.
1904 Carney, Michael James.
1868 Carr, Arthur F.
1903 Carr, James Bearisto.
1882 Carson, George Stephen, 30.
1879 Chambers, Frederick Bulmer.
1877 *t* Chambers, Robert Ernest.
1890 Chapman, Adolphus Eugene.
1905 Charman, James Harry, 10.
1866 Chase, Joseph Henry.
1899 Chase, Margaret Hawthorne.
1901 Chisholm, Maud.
1902 Christie, Clarence Victor.
1902 Christie, George Archibald.
1868 † Christie, Thomas M.
1896 Church, Nina Elizabeth, 3.
1888 Clarke, Daniel McDonald.
1897 *tt* Clark, Harold Marston.
1897 *uu* Cock, Daniel George.
1902 *u* Coffin, Ernest William, 1, 28.
1886 *v* Coffin, Fulton Johnson.
1885 Coffin, Frank Stewart.
1897 Coffin, Robert Lewis.
1887 *w* Coffin, Victor Edwin, 9, 26.
1903 Coffin, Wesley Herbert.
1890 *x* Cogswell, George Alfred.
1898 Colquhoun, John George.
1887 Coops, Frank Harvey, 2.
1904 Corbett, William Melville, 4.
1906 Corey, Berton Stone, *LL.B.*
1898 Corston, James Robert.
1881 Costley, Alfred.
1891 Cox, George Hastings.
1894 Crawford, James Andrew.
1873 † Creelman, David Fulton.
1881 *y* Creelman, Hugh Graham, 14, 23.
1904 *z* Creighton, Graham.
1906 Creighton, Hy. Jermain Maude.
1880 Creighton, Henry Spurr.
1887 *a* Creighton, Jas. Edwin, 11, 24
1868 Creighton, James G. A.
1904 Crowdis, Charles Jacob, 12.
1898 Crowe, Henry Stanley, 21.
1880 Crowell, Edwin, 10, 23.
1872 Cruikshank, William.
1899 Cumming, Alison, 22.
1896 Cumming, Bessie Arnot, 11.
1905 Cumming, Charles Gordon, 22, 30.
1897 *b* Cumming, Melville.
1896 Cummings, Alfred Graham.
1897 Cummings, Edward.
1900 Cunningham, Allan Rupert.
1900 Cunningham, Wm. Andrew.
1896 † Currie, William Douglas.
1895 Currier, Frank Allison.
1905 Curry, Wilfred Alan.
1897 Dakin, William.
1882 Davidson, Fulton Johnson.
1896 † Davidson, Lilla Augusta.
1905 Davis, Charles James.
1904 Davis, David Gray.
1899 Davis, Roy, 9.
1903 Daviss, Alfred Edward.
1889 Davison, James McGregor.
1897 Denoon, Alexander Hugh.
1898 DeWolfe, Margaret Woodill.
1879 Dickie, Alfred.
1906 Dickie, Clarence Gordon.
1896 *c* Dickie, Gordon, 22.
1883 Dickie, Henry.
1907 Dickie, Rufus Edward.
1884 Dill, Edm. Munro.
1900 Douglas, Edgar.
1893 Douglas, Ernest Augustus.
1896 Douglas, John Robert.
1874 † Doull, Walter Scott.
1895 Duchemin, Henry Pope, 1, 28.
1873 Duff, Kenneth.
1904 Eaton, Arthur Wentworth Hamilton, *B.A.* (King's), *ad eund. grad.*
1879 † Emerson, Robt. Rich. Jas., 30
1907 Farquhar, George, 12.
1900 Farquharson, Wm. Oban.
1897 Faulkner, Ebenezer Ross.
1906 Faulkner, Dora Guille.
1904 Ferguson, Alexander.
1907 Finlayson, Geo. Daniel, 21, 30
1893 *cc* Finlayson, Duncan.
1897 Fisher, Arthur Franklyn.
1899 Fisher, Franklin.
1890 Fisher, James Mitchell.
1900 Fisher, John Andrew.
1885 Fitzpatrick, Hiram Henry Kirkwood ,12.
1875 Fitzpatrick, James.
1902 *d* Fleming, Ernest Martin, 13.
1900 Flemming, Ethel Augusta.
1887 Forbes, Antoinette.
1893 Forbes, Edgar William.
1899 Forbes, George Ernest.
1897 Forbes, William.

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† Deceased.
r Prof. of Histology, Hfx. Med. Coll., Examiner in Bacteriology and Pathology, Dal. Coll.
s Inspector of Schools.
t Engineer of N. S. S. & C. Co., Wabana, Nfld.
tt Missionary, China.
uu Missionary, India.
u Fellow, Clark Univ.
v Some time Fellow and Instr. in Comp. Religion (Chicago).
w Some time Scholar (Cornell); Prof. History (Wisconsin Uni.).
x Some time Scholar (Cornell).
y Some time Gilchrist Scholar, Vans Dunlop Scholar (Edin.) and Instr. in Exper. Phys (Purdue).
z Inspector of Schools.
a Some time Fellow, now Prof. of Log. and Metaphys (Cornell), and Co-Editor *Philos. Review* and *Kant Studien.*
b Prin. Agricultural Coll. (N. S.).
c Some time Scholar (Harv.).
cc Member of Parliament.
d Math. Master St. And. Coll.

1868 † Forrest, James.
1901 Forrest, Jean Fairbanks, 22.
1905 Forsythe, Robert Bell, 10.
1895 Foster, Arthur Hayward.
1895 Frame, David Annand.
1889 *e* Fraser, Alexander, 11.
1895 Fraser, Alex. Lewis.
1906 Fraser, Alister.
1887 Fraser, Donald.
1895 Fraser, Daniel Alexander, 22.
1874 Fraser, Daniel Stiles.
1872 *f* Fraser, Duncan Cameron.
1907 Fraser, Everett.
1906 Fraser, Harry Clement, 10.
1894 † Fraser, Hugh McLeod.
1889 Fraser, John Keir Geddie.
1907 Fraser, William Kenneth.
1883 Fraser, Wm. Matheson, B.Sc., 24.
1907 Fraser, William Pollok, *B.A.* (Corn.) *ad eund. grad.*
1882 *g* Fraser, Wm. Ritchie.
1889 Frazee, Victor Gladstone.
1899 *h* Fulton, Clarence.
1890 † Fulton, Eben.
1880 *i* Fulton, Edw, 9, 26.
1876 Fulton, Geo. Herb.
1902 Fulton, Thomas Truman.
1888 Fulton, Willard Hill.
1885 Gammell, Isaac, 9, 26.
1878 George, John Lyall, 23.
1905 Gerrard, Louise Frances.
1905 Gladwin, Alice Pearson.
1899 Glover, Benjamin.
1891 Goodwin, Emily Maud.
1902 Gordon, Jean Anna May.
1892 Graham, Robert Henry.
1898 † Grant, Clarence Fraser, 2.
1888 Grant, David Kenzie.
1896 Grant, George Alexander.
1894 Grant, Milton Daniel.
1894 Grant, Melville Finlay.
1897 † Grant, Mary Sibella.
1894 † Grant, Robert J.
1901 Grant, William McDonald.
1907 Grant, William P, 11.
1877 † Grant, William Roderick.
1892 Gratz, Humphrey Gilbert.
1894 Gray, William Smith.
1905 Green, William Ira.
1891 Grierson, John Arthur.
1890 *j* Grierson Robert.
1872 Gunn, Adam.
1905 Gunn, Sidney, *B.A.* (Harv.), *ad. eund. grad.*
1901 Hallam, William Thomas, 2.
1877 Hamilton, Howard Herbert.
1892 †*k* Harrington, Emily Bevan, 9.
1901 *ll* Harvey, Edward Kitson, 22.
1889 Harvey, McLeod.
1897 Hattie Robert McConnell.
1906 Haverstock, Alice Maude.
1905 Haverstock, William Ernest.
1906 Heales, Josephine Mary.
1899 Hebb, Arthur Morrison.
1894 Hebb, Bertha Boyd.
1900 *l* Hebb, Thos. Carlyle, 15, 29.
1889 *m* Henry, Joseph Kaye, 30.
1895 Hepburn, Wm. Murray, 21.
1877 † Herdman, Andrew Walker.
1874 Herdman, Jas. Chalmers, 2.
1874 Herdman, William Close.
1897 Hetherington, Eva Florence.
1896 Hill, Allan Massey.
1892 *n* Hill, Albert Ross, 11, 24.
1906 Hill, Muriel Olive.
1894 Hobrecker, Clara Charlotte, 8
1898 Hockin, John George, 21.
1893 Howatt, Cornelius Alfred.
1902 Howatt, Irving Brass, 22, 30.
1891 *o* Hugh, David Douglas, 11, 24.
1873 Hunter, John.
1896 Irving, Thomas.
1894 Jamieson, Harriet Jane.
1904 *p* Johnson, Allan Chester, 1.
1894 Johnson, Ebenezer William.
1892 † Johnson, George Fulton.
1888 † Johnson, George Millar.
1892 Johnson, James Bayne.
1900 Johnstone, Montague Malcolm Stuart, 2.
1884 Jones, Frank.
1891 Jordan, Elijah John, 12.
1895 *q* Jordan, Edward Elliott, 13, 25.
1875 *r* Jordan, Louis Hy., 23.
1893 Keefler, Ralph Tupper.
1899 Keith, Donald.
1898 Kennedy, Elizabeth Erota.
1901 Kennedy, James Horace.
1891 Kennedy, James Simon.
1900 *s* Kent, Harry Arnold, 21, 30.
1907 Kerr, Mary Estella.
1880 Kinsman, Frederick Smallwood.
1907 Kirker, Elbridge Archibald.
1882 Knowles, James Harris.
1890 Laird, Alexander.
1889 *t* Laird, Arthur Gordon, 1, 23.
1877 Laird, George Alexander.
1882 Landells, Robert.
1904 Langille, Gilbert Webster.
1885 Langille, Robert McDonald,

† Deceased.
e Some time Scholar and Fellow, Clark Univ.
f Lieut.-Governor of Nova Scotia.
g Some time Scholar (J. H. U.).
h Prin. High School, Vernon, B. C.
i Some time Scholar (Harv.); Prof. of English (Wells).
j Medical Missionary, Korea.
k Some time Schoolar (Bryn Mawr).
l Some time Lecturer in Physics (Dal. Coll.).
ll Instructor, Perkins Institute for the Blind.
m Professor, Vancouver Coll.
n Some time Fellow (Cornell); Prof. of Education and Dean of Faculty of Arts, Cornell Univ.
o Some time Scholar and Fellow (Cornell); Prof. of Philosophy (Colorado).
p Some time Tutor in Classics (Dal.)
q Prof. of Mathematics (Prince of Wales Coll.).
r Some time Lecturer in Comp. Relig. (Chic.).
s Carmichael Scholar (Pres. Coll., Halifax).
t Some time Fellow (Cornell); Prof. of Greek (Wisconsin).

12, 24.
1901 Lawson, David Alex.
1895 Lawson, Thomas, 14.
1906 Layton, Francis Paul Hamilton, 12.
1895 † Layton, James Smith.
1901 Layton, Robert Blackwood.
1886 Lewis, Abner William.
1898 Lewis, Bessie Blanche.
1890 *u* Lewis, Ernest William, 22.
1870 *v* Lindsay, Andrew Walker Herdman.
1899 *w* Lindsay, Chas. Fowler, 19.
1903 Lindsay, Frances Jean.
1906 Lindsay, Walker Stewart.
1867 Lippincott, Aubrey.
1903 Locke, Enos Charles.
1885 Locke, Robert Todd.
1898 Logan, Bessie Margaret.
1904 Logan, Frank Robert.
1893 *x* Logan, John Daniel, 11.
1894 *y* Logan, Jotham Wilbert, 1, 28.
1873 Logan, Melville D.
1877 Logan, Richmond.
1903 Loughead, George William.
1906 MacAloney, Charles William.
1893 McArthur, Samuel Johnson.
1906 McBain, Alexander Ross.
1905 McCain, George Leonard.
1901 MacCaskill, John James.
1891 McCurdy, James Farquhar.
1903 *yy* McCurdy, Rahno Mabel, 13.
1877 McCurdy, Stanley Tupper.
1901 Macdonald, Archibald J.
1892 *z* Macdonald, Alvin Fraser.
1892 Macdonald, Alexander John.
1895 Macdonald, Blanche, 14.
1904 Macdonald, Campbell.
1873 MacDonald, Charles DeWolf.
1898 Macdonald, Daniel John.
1884 McDonald, Donald.
1901 Macdonald, Ewen.
1893 McDonald, Ida Grace.
1883 Macdonald, James Alex., 14, 24.
1867 † McDonald, John H.
1900 *a* Macdonald, Murdoch Stewart, 11.
1894 Macdonald, Peter Maclaren.
1889 Macdonald, Robert James.
1905 Macdonald, Roderick Augustus.
1903 McDonald, William.
1888 Macdonald, William.
1881 McDonald, Wallace Mortimer.
1900 Macdonald, Wentworth Stanley, 1, 28.
1903 Macdougall, Euphemia May, 9
1876 † McDowell, Isaac Murray.
1891 McGlashen, John Archibald.
1874 † McGregor, Daniel.
1871 *b* MacGregor, James Gordon.
1896 *bb* MacGregor, Robert Malcolm, 21, 30.
1883 MacGregor, Thomas Spear, 14
1905 McInnis, Euphemia.
1905 McInnis, Robert John, 13.
1899 MacIntosh, Charles Campbell.
1895 McIntosh, Charles Daniel.
1890 Mackintosh, David Charles.
1892 McIntosh, Don. Sutherland, 22
1902 *c* McIntosh, Douglas, *B.Sc.*, 29.
1901 Mackintosh, Finlay Grant.
1898 Mackintosh, Finlay H.
1894 Macintosh, John, 11.
1892 MacIntosh, John Alex., 22.
1900 Mackintosh, Peter Duncan.
1873 *d* MacKay, Alex. Howard, 14.
1897 MacKay, Alexander Leonard.
1894 † Mackay, Angus William, 11.
1899 Mackay, Annie.
1907 MacKay, Barbara Lois.
1898 McKay, Catherine Wetmore.
1905 McKay, Daniel Alex., *B.Sc.*
1893 Mackay, Don. MacGregor.
1890 McKay, Duncan Oliver, 18.
1886 *e* Mackay, Ebenezer, 17, 27.
1905 MacKay, Geo. Moir Johnston, 19, 29.
1888 *f* Mackay, Henry Martyn, 14.
1897 *g* McKay, Ira Allan, 11.
1894 *h* † Mackay, John Daniel.
1868 McKay, Kenneth.
1896 McKay, Mary Alexandra.
1892 Mackay, Murdoch Sutherland.
1886 *i* Mackay, Neil Franklin, 17, 24.
1900 MacKay, Nora Katrina.
1893 *j* McKay, Thomas Calvin, 22.
1901 McKay, William Alfred.
1896 *k* McKay, William Roderick.
1905 MacKean, James Alexander.
1900 McKee, Mabel.
1873 McKeen, James Abner.
1902 McKeen, William George.
1885 *kk* MacKenzie, Arthur Stanley, 14, 25.

---

† Deceased.
u Prin. of Restigouche Gram. Sch.
v Prof. of Anatomy (Halifax Med. Coll.).
w Some time Fellow (J. H. U.).
x Some time Scholar (Harv.); Prof. of Philosophy (Univ. S. Dakota)
y Lecturer in Classics (Dal. Coll.).
yy Prin. Shelburne Academy.
z Editor of *Morning Chronicle*, Hfx.
a Some time Scholar and Fellow (Cornell); Professor of Philosophy (U. N. B.).
b Some time Gilchrist Scholar, and Prof. of Physics (Dal. Coll.), now Prof. of Nat. Phil. (Edin.)
bb Member of Legislative Assembly (N. S.).
c Asst. Prof. of Chemistry (McGill).
d Supt. of Education (N. S.).
e Some time Fellow (J. H. U.); Prof. of Chemistry (Dal. Coll.).
f Assoc. Prof. of Civil Engineering (McGill).
g Some time Scholar and Fellow (Cornell).
h Some time Missionary, Demerara.
i Some time Deputy Minister of Mines (B. C.); M. L. A. (B. C.).
j Prof. of Thermodynamics (Univ. of Calif.).
k Missionary, Macao.
kk Some time Fellow (J. H. U.); Prof. of Physics (Dal. Coll.).

1900 Mackenzie, David Wallace, 14
1894 MacKenzie, Ellen Margaret.
1906 MacKenzie, Ewen Cameron.
1899 † MacKenzie, Geo. Norris, 11, 28.
1899 McKenzie, George William, 14
1906 MacKenzie, Harry Havelock.
1872 MacKenzie, Hugh.
1878 McKenzie, James.
1899 MacKenzie, Janie Luciada.
1898 McKenzie, John Bradshaw.
1869 *l* † MacKenzie, John James.
1882 McKenzie, James Walter.
1902 MacKenzie, Kenneth Ferns, 3, 28.
1901 MacKenzie, Luther Burns.
1904 MacKenzie, Thomas George.
1888 *m* †McKenzie, William John.
1902 MacKenzie, William Roy.
1901 Mackie, Irwin Cameron, 21.
1900 McKinnon, Duncan Hugh.
1890 MacKinnon, John Archibald.
1877 *n* McKittrick, Burgess, 24.
1893 McLean, Charles Archibald.
1879 † Maclean, Isaac Matheson, 2.
1876 McLean, James Alexander.
1891 Maclean, John Brown.
1897 Maclean, Lauchlin Alexander.
1905 McLean, Murdoch Campell, 2.
1897 MacLean, Stewart Clifford, 13
1907 McLellan, John Archibald.
1899 McLellan, Leander Blair.
1907 Maclellan, Robert William, 9.
1883 McLennan, John Wm., 30.
1888 McLennan, Samuel John.
1889 MacLeod, Albert Morrison.
1875 † McLeod, Alexander.
1888 *o*† McLeod, Ambrose Watts, 12.
1906 MacLeod, Angus Alexander.
1906 McLeod, Anna Elizabeth, 22.
1874 McLeod, Donald.
1901 MacLeod, Colin Arthur.
1900 Macleod, Edward Annand, 2.
1907 McLeod, Frank Thomas.
1890 *p* Macleod, Fred Jos., 5, 23.
1888 MacLeod, George, 9, 26.
1885 McLeod, John Matheson.
1884 McLeod, John Peter, 1, 23.
1876 † McLeod, John Wilson.
1887 McLeod, Malcolm James, 13.
1891 *pp* McMillan, Charles Edward.
1891 McMillan, Frederick Alex.
1875 McMillan, George, 24.
1895 McNairn, William Wallace.
1891 McNaughton, Elizabeth.
1867 McNaughton, Samuel.
1887 MacNeil, Charlotte Mary, 9.
1896 *q* Macneil, Murray, 13, 25.
1892 † McNeill, Roderick.
1904 McNiven, Catherine.
1897 McOdrum, Donald.
1901 Macpherson, Malcolm James.
1894 McPhee, Margaret Janet.
1893 *r* Macrae, Arch. Oswald, 12.
1886 Macrae, Alex. Wm.
1898 *s* MacRae, Donald Alex, 1, 28.
1896 *t* McRae, Duncan Murdoch.
1891 *u* Magee, William Henry.
1896 Mahon, Harry Edmund.
1901 Main, Charles Ogg.
1900 *v* Mair, Catherine Firth.
1903 † Malcolm, James.
1903 Marshall, Guildford Romeo.
1893 Martin, Albert John Daniel.
1885 Martin, Kenneth John, 14.
1877 Mason, William Alexander.
1903 Matheson, Charles Winfield.
1888 Matheson, John Alex.
1907 *w* Matthews, Allan Fraser.
1897 Maxwell, George Herbert.
1897 Maxwell, Ruth Ellen.
1903 Meek, John Geddie.
1882 Mellish, Humphrey.
1904 Mellish, James Roland.
1899 Messenger, Ralph James, 14.
1869 Millar, Ebenezer D.
1890 Millar, George.
1897 Millar, James Ross.
1905 Miller, Hugh.
1907 Miller, John Robert.
1901 Miller, Lemuel James, 22.
1894 Milligan, George Seaton.
1899 Moody, Georgina Maud.
1902 Moody, Margaret Hutton.
1891 *x* Moore, Clarence Leander, 22.
1891 Morash, Albert Victor.
1895 Morris, Clarence H.
1888 *y*† Morrison, Alex. M., 13, 25.
1902 Morrison, Bertha Leila.
1901 Morrison, Fred Augustus, *LL.B.*
1900 Morrison, John Wm. Geddie.
1898 Morton, James Roland.
1876 Morton, Joseph Smith.
1895 *z* Morton, Rupert Freeman.
1886 *a* Morton, Silvanus Arch., 13, 25
1906 *aa* Moxon, Arthur, 1, 28.
1891 Munro, Christopher.

---

† Deceased.
l Some time Prof. of Physics (Dal. Coll.).
m Some time Missionary, Korea.
n Prin. of Lunenburg Academy and Secretary of Advisory Board of Education (N. S.).
o Some time Scholar (Harvard).
p Some time Scholar (Harv.); Prof. of English (Nebraska); State Senator (Mass.).
pp Member of Legislative Assembly (N. S.).
q Some time Fellow (Cornell); Asst. Prof. of Math. (McGill).
r Prin. Western Coll. (Calgary).
s Some time Scholar and Fellow (Cornell); Tutor in Greek Princeton).
t Missionary, Korea.
u Some time Fellow, and Assistant in Chemistry (Cornell); Prin. Annapolis Academy.
v Missionary, Korea.
w Inspector of Schools (P. E. I.).
x Prin. Sydney Academy.
y Some time Instructor in Physics (Chicago Univ.).
z Prin. Digby Academy.
a Lecturer (Dal. Coll.).
aa Rhodes Scholar.

1905 **Munro, Ethel Margaret.**
1878 **Munro, George William.**
1899 **Munro, Henry Fraser.**
1876 Munro, John.
1896 **Murdoch, William Clarence.**
1906 **Murphy, Blanche Eunice, 10.**
1899 **Murray, Adam Hy. Stewart, 13.**
1884 *b* **Murray, Daniel Alexander, 14, 25.**
1905 **Murray, Ella Mabel.**
1896 Murray, John Carey.
1877 † Murray, John Sprott.
1897 *c* Murray, John Tucker, 9.
1893 Murray, Lucy Christine, 11.
1905 Murray, Lulu Marion.
1898 Murray, Norman Grant.
1894 Murray, Robt. Harper.
1896 Murray, L. Wilbur.
1902 Myers, Alex. John Wm., 22.
1900 Myers, Charles Allan, 21.
1905 *d* Neish, Charles Wiswell, 2.
1878 *e* Newcombe, Edm. Leslie.
1885 Newcombe, Marg. Florence, 10
1906 Nichols, Edward Wilber, 21, 30.
1886 Nicholson, Alfred, 14.
1902 Nicholson, Daniel John.
1897 Nicholson, John Wm. Angus, 9.
1901 Nicholson, William.
1898 † Noble, John Duncan.
1896 Oakes, Ingram.
1899 O'Brien, Clarence Wilbert.
1898 O'Brien, Milton Addison.
1899 O'Brien, Osmond Franklin.
1891 † Oliver, Allyne Cushing Litchfield, 22.
1899 Outhit, William Edward.
1874 Oxley, Jas. Macdonald, 12.
1889 Paton, Vincent John.
1882 *f* Patterson, George Geddie.
1907 Patterson, Grace Harris, 21, 30.
1906 Patterson. Harry Stuart, 11.
1907 Payson, Mary Phoebe.
1905 Payzant, Arthur Silver.
1906 Pennington, Amy Kingsland.
1905 Peppard, Sarah Isabelle.
1904 Perkins, Ella Dawson.
1877 † Pitblado, Colin.
1895 Polley, James Frederick.
1872 † Pollok, Alexander W.
1904 Power, Wm. Kent, 9, 28.
1907 Prowse, James Harper.
1893 Putnam, Harold.
1889 † Putnam, Homer.
1894 Putnam, James Fleming.
1887 Putnam, William Graham.
1900 Ramsay, Ernest Herbert, 21.
1899 Ramsay, James Archibald.
1902 Rand, Annie Mack.
1898 Rankine, James Miller.
1900 Rankine, John.
1890 Rattée, Edward Joseph.
1900 Read, Edith MacGregor, 14.
1898 Read, Hibbert Robert.
1904 Read, George Carruthers.
1897 Reid, David McKeen.
1907 Rettie, Alexander.
1907 Rettie, Samuel.
1899 Rice, Grace Elizabeth Bernard.
1902 Richardson, Lophemia.
1902 Reilly, John Franklin, 13.
1896 *g* Robb, Alexander Francis.
1907 Robertson, Robert Burnley Hume.
1892 *h* Robertson, Samuel Napier.
1888 Robertson, Thos. Reginald, 30
1895 *i*† Robins, Edwin Proctor, 11, 28.
1886 *j* Robinson, Alexander, 1, 23.
1891 Robinson, Charles Budd, 21, 30.
1893 Robinson, David Magee.
1885 *k* Robinson, George Edward, 14.
1873 Robinson, Joseph Millen.
1896 Rodgerson, James Alexander Cummings, 22.
1878 Rogers, Anderson.
1867 Ross, Alexander.
1897 Ross, Arthur.
1900 Ross, David Charles.
1901 Ross, Daniel Edward.
1905 Ross, Daniel Keith.
1904 Ross, Edwin Byron, 11, 28.
1893 Ross, George Edw, 22, 30.
1899 *l* Ross, George Murray.
1893 Ross, Hedley Duncan Vicars, 5.
1895 Ross, Jennie Wright, 21, 30.
1900 Ross, John Samuel.
1894 *m* Ross, Mary Sophia, 13.
1899 *n* Ross, Theodore, 21, 30.
1873 Ross, William.
1898 Ross, William Alexander.
1896 † Ross, William Daniel.
1905 Ross, William McMillan.
1899 Routledge, Arthur Weston.
1890 *o* Rowlings, George Anderson Row, 14.
1903 Roy, Alexander Kerr.
1901 Ruggles, Vernon Douglas.
1871 Russell, Alexander Gatherer.
1890 *p* Schurman, George Wellington, 21.

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† Deceased.
b Some time Fellow (J. H. U.) and Asst. Prof. of Math. (Univ. of City of New York); Prof. of Mathematics (Dal. Coll.).
c Hooper Fellow (Harvard).
d Tutor in Classics (Dal. Coll.).
e Deputy Minister of Justice.
f Judge of County Court.
g Missionary in Korea.
h Prin (Prince of Wales Coll.).
i Some time Scholar and Fellow (Cornell).
j Superintendent of Education, B. C.
k Professor, Vancouver College.
l Missionary, China.
m High School, Honolulu.
n Instructor, Prince of Wales Coll.
o Some time Assistant to the Prof. of Mathematics, and later Lecturer on Torts (Dal. Coll.).
p Assistant District Attorney, New York.

1872 *q* Scott, Ephraim.
1870 *r* Scott, Hugh McDonald.
1877 † Scott, John McDougal.
1904 Scrimgeour, James Amos.
1907 *s* Seaman, Athol Wendell, 21.
1903 *t* Sedgewick, Garnett Gladwin, 5
1881 Sedgewick, James Adam, 30.
1867 *u* Sedgewick, Robert.
1902 Sedgewick, Geo. Herbert, 3.
1898 Sedgewick, Wm. Harry, 21, 30.
1896 Sedgewick, Wm. Middleton.
1887 Shaw, Henry Curtis, 10.
1887 *uu*† Shaw, Jas. Curtis, 1, 23.
1897 *v* Shaw, Percy James.
1866 † Shaw, Robert.
1902 Shaw, Robert McLeod.
1897 Shinner, Harry Robert.
1894 Simpson, Francis S, 9.
1868 Simpson, Isaac S.
1900 Simpson, Ruth.
1906 Sinclair, Frederick Douglas.
1906 Sinnott, Edna Pearl.
1895 Smith, Alexander.
1906 Smith, Alonzo A.
1903 Smith, Daniel Murray.
1867 † Smith, David H.
1867 Smith, Edwin.
1890 *vv* Smith, Edmund Botterell.
1905 *w* Smith, Frank Frieze.
1886 † Smith, James Festus, 10.
1894 Smith, Wm. Henry.
1889 Smithers, Allan.
1888 *x* Soloan, David Matthew, 10.
1900 Spencer, Arthur Gordon.
1905 Spencer, Minnie Grace.
1881 Spencer, William Herbert.
1903 *y* Stairs, Gilbert Sutherland, 3.
1891 Stairs, Harry Bertram.
1902 Stavert, Robert Hensley.
1898 Steeves, Blanchard Perley.
1887 Stewart, Alex. Forrester, 30.
1886 Stewart, Dugald, 13.
1889 Stewart, Frank Ingram.
1876 † Stewart, Jas. MacGregor, 14, 24.
1906 Stewart, John Murdoch.
1882 Stewart, Thomas.
1896 Stirling, Alex. Dinwoodie.
1895 Stirling, John, 11, 28.
1875 *z* Stramberg, Hector M.
1895 Strathie, Ralph Grant.
1902 Stuart, Mary Ethel.
1906 *a* Sullivan, Charles Thompson, 13, 25.
1896 Sutherland, George Adams.
1869 Sutherland, John M.
1888 Sutherland, John Sanders, 9, 24.
1904 Sutherland, Robert Hiram.
1906 Swanson, Peter Innes.
1907 Sweet, William Henry.
1905 *b* Tait, Wm. Dunlop, 11.
1894 Tattrie, George Phillips.
1884 † Taylor, William Bell.
1902 Thomas, Louise Lorne.
1885 Thompson, Alfred Whidden, 10.
1891 Thompson, Fenwick Williams.
1897 Thompson, Margaret.
1893 Thompson, Willard Sutherland.
1880 Thompson, Albert Edward, 30
1900 *bb* Thompson, Chas. Alex., 1, 28
1870 *c* Thorburn, Walter Millar.
1905 Thorne, Harvey.
1905 Toombs, Herbert Wesley.
1882 Torey, Edgar James.
1895 Trefry, James Hartley.
1872 *d* Trueman, Arthur I.
1904 Trueman, John McMillan.
1882 *e*† Trueman, James Starr, 2, 23.
1885 Tufts, Wm. Mann, 30.
1891 *f* Tupper, James Waddell, 9, 23.
1905 Turner, Christina Jane.
1884 Turner, Dawson Fyers Duckworth, 30.
1903 Upham, Hugh McMillan.
1904 Urquhart, Howard Daniel.
1902 † Vance, Fred. Smith.
1877 *g* Waddell, John, 14, 23.
1897 † Waddell, Wm. Henry, jr.
1870 Wallace, John.
1905 Watson, Andrew Daniel, 14.
1907 Watson, Robert Anderson.
1898 Watt, Arthur William, 13.
1892 *h* Webster, Kenneth Grant Tremayne, 9.
1903 Webster, Winifred May, 22, 30.
1900 Weldon, Joseph William, 22.
1891 West, Thomas Frederick.
1892 Weston, Clara Paine, 14.
1892 Weston, Rolfe Andrews, 14.
1878 Whitman, Alfred.
1901 Williams, Winifred Boak, 22.
1897 Wilkie, Florence Annie.

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† Deceased.
q Editor, *Presbyterian Record*.
r Prof. of Ch. History (Chic. Theo. Sem.).
s Professor, Prince of Wales Coll.
t Principal, High School, Nanaimo.
u Judge of Supreme Court of Canada
v Instructor, Normal School (N. S.).
vv Principal, Inverness Academy.
w Principal, High School, Kamloops.
uu Former Prin. Vancouver Coll.
x Principal, Normal School (N. S.).
y Rhodes Scholar.
z Principal, High School, New Westminster.
a Professor of Mathematics, Alberta Coll.
b Scholar (Harv), and Lecturer (Dal. Coll.).
bb Prin. Rossland High School, B. C.
c India Civil Service, Madras.
d Judge of Probate, St. John, N. B.
e Some time Scholar (J. H. U.), and Prof. of Greek and Latin (Alleghany Coll.).
f Some time Scholar (J. H. U.); Prof. of English, Western Univ., Ont.; Associate in English (Bryn Mawr Coll.).
g Some time Vans Dunlop Scholar (Edin.), and Prof. of Chemistry, School of Mining, Kingston.
h Some time Scholar, now Inspector (Harvard).

1898 Wood, George.
1906 Wood, John, *LL.B.*
1900 † Worsley, Pennyman John.
1894 Yorston, Frederick, 10.
1903 Young, Alex. McGillivray.
1903 Young, Luther Lisgar.

BACHELORS OF LETTERS.

(For the signification of numbers affixed to the names, see page 163.)

1902 *i* Cann, Jeanette Aubrey, 11, 28.
1897 Crockett, Albert Edwin.
1892 Fraser, James Gordon.
1895 Gunn, Alexander Donald.
1896 Hill, Amy.
1899 Hobrecker, Alma Helena.
1896 Johnston, James Robinson.
1900 *j* Lanos, Jules Marie.
1899 Lawlor, Gertrude Louise, 13.
1894 Macdonald, Alex. Donald.
1895 McKay, William Park.
1898 MacKinnon, Wm. Thos. Morris.
1896 Marshall, Lillian Elizabeth.
1891 Montgomery, John.
1891 *k* Muir, Ethel.
1887 *l* Ritchie, Eliza.

BACHELORS OF SCIENCE.

(For the signification of numbers affixed to the names, see page 163.)

1903 Amberman, Edwin Knowles.
1900 † Anderson, Bernard Chas., 13.
1897 *m* Archibald, Eben Hy., 29.
1893 Arthur, George.
1906 Barnes, Albert Johnson.
1897 Blair, Alexander David.
1901 *n* Boehner, Reginald Stephen, 20.
1905 *o* Burgess, Laurie Lorne.
1882 Cameron, Alexander George.
1900 Campbell, Dun. McDonald, 14
1885 *p* Campbell, Geo. Gordon.
1898 Cook, Alexander David.
1899 Cordiner, Charles Alonzo.
1905 Davidson, Milton [illegible]ancy.
1902 DeWolfe, Loran Arthur.
1903 Elliott, Laurie Benjamin.
1903 Ferguson, John Archibald.
1902 Forrest, George Munro.
1895 Forrest, William Duff.
1880 Fraser, Wm. Mathe[illegible]n 24.
1903 Gordon, George Huntley.
1901 *q* Gould, Wm. Matthew, 14.
1902 *r* Hebb, Thomas Carlyle, *M.A.*, 29.
1895 Lange, Christian Christopher Andrew, 22.
1902 Lindsay, Murdoch Alex., 25.
1907 McAulay, Angus Gillis.
1883 McColl, Archibald.
1905 MacIntosh, Cyrus Ross.
1896 *s* McIntosh, Douglas, 20, 29.
1896 McIntosh, Donald Sutherland.
1904 McKay, Daniel Alexander.
1892 MacKeen, Geo. Wilbert.
1894 *t* McKittrick, Frederick James Alexander, 14, 29.
1906 Maclean, Donald.
1885 Miller, John James.
1898 Morrison, Hugh Thomas, 14.
1901 O'Brien, Mary Augusta, 21, 30
1893 O'Brien, Robert Faulkner.
1900 †*u* Pasea, Chas. Munro, 15, 25.
1883 Reid, Arthur Gordon, 13, 25.
1903 Ross, William Horace, 19, 29.
1884 Smith, Henry McNeil.
1905 Stapleton, William Clarke.
1886 *v* Stewart, Anne Amelia, 14.
1901 Stewart, Wm. Edgar.
1900 Stewart, Eliz. Helen, 20.
1897 Tait, Jas. Sinclair, *B.Sc.* (Mt. All.), *ad eundem grad.*
1901 Wood, Burton Justice.
1905 Woodbury, Wm. Weatherspoon.

† Deceased.
i Victoria High School, B. C.
j Prof. of French, Roy Mil. Coll.
k Prof. of Philosophy (Pittsburg).
l Some time Fellow (Cornell), and some time Prof. of Philosophy (Wellesley).
m Prof. of Chem., Syracuse Univ.
n Demonstrator in Chem., McGill.
o Scholar, Harvard.
p Lecturer in Clin. Med., McGill.
q Scholar, Harvard.
r Some time Lecturer on Physics, Dalhousie.
s Asst. Prof. of Chem., McGill.
t Mgr. Gen. Electric Co., Australia.
u Some time Whiting Fellow, Harv.
v Some time Fellow, Bryn Mawr.

BACHELORS OF ENGINEERING.

In Civil Engineering.

1907 Bethune, Robt. Anderson Jones.
1907 Blois, Cecil Leroy, 22.
1907 Marchant, Day. Harold Melburn.

In Mining.

1905 Fulton, Thos. Truman, *B.A.*
1906 MacKenzie, Thos. Geo., *M.A.*
1907 McLearn, Frank Harris.

BACHELORS OF LAW.

1897 Aitken, Robert Traven Davison, *B.A.*
1891 Allison, Edmund Powell, *B.A.*
1900 Allison, Harry Augustus, *B.A.*
1893 Anderson, Albert Hudson, *B.A.*
1890 Armstrong, Bennett Hornsby.
1888 *w* Armstrong, Ernest Howard.
1899 Ayre, Geo. Wm. Bulley.
1907 Barnett, John, *B.A.*
1895 *x* Barnstead, Arth. Stanley, *B.A.*
1900 Begg, Wm. Alex.
1904 Bell, Isaac Hartley.
1885 Bennett, Albert Watson.
1893 *y* Bennett, Richard Bedford.
1896 Bigelow, Harry Veeder, *B.A.*
1892 Bill, Edward Manning, *B.A.*
1902 Bill, John Philip Wiser, *B.A.*
1892 † Blackadar, Hugh Saxon, *B.A.*
1885 Boak, Henry Westman Conroy.
1894 Borden, Henry Clifford.
1890 *z* Bowser, William John.
1898 Boyd, John Albert, *B.A.*
1893 Brown, Harry Whidden, *B.A.*
1899 Burchell, Charles Jost, *B.A.*
1894 Burns, Clement Bancroft, *B.A.*
1880 *a* Cahan, Charles Hazlitt, *B.A.*
1902 Calder, Arch. Clements.
1892 Calder, Frederick.
1907 Cameron, Allan Joseph, *B.A.*
1893 Cameron, Daniel Alexander.
1899 Cameron, Jno. Alex. Hugh, *B.A.*
1904 Cameron, John James.
1904 Cameron, John McKinlay.
1904 Carroll, Wm. Francis, *B.A.*
1889 Campbell, Alex. John, *B.A.*
1888 Campbell, John Roy.
1887 Carter, Titus James.
1886 Carter, William Doherty.
1892 Casey, Clarence E., *B.A.*
1907 Charman, Jas. Harry, *B.A.*
1904 Cheese, Geo. Owen.
1902 Chipman, Frank Bev. Allen, *M.A.*
1886 Chisholm, Joseph Andrew.
1906 Chisholm, John Edwin.
1887 Cluney, Andrew.
1891 Congdon, Frank Hinkle.
1889 Congdon, Fred Tennyson, *B.A. LL.B. (Tor.), ad eund. grad*
1894 *b* Copp, Arthur Bliss.
1892 Corbett, Jacob Edward.
1905 Corey, Berton Stone.
1907 Craig, Netson Ross.
1894 Crowe, Robert William, *B.A.*
1886 Crowe, Walter.
1901 Cumming, Lyman Hodge.
1898 Cummings, Alf. Graham, *B.A.*
1889 Cummings, Selden Wm., *B.A.*
1900 Davison, Avard Longley, *A.B.*
1891 Davison, Jas. MacGregor, *B.A.*
1905 Dickey, Horace Arthur.
1904 Dickie, Henry Alan.
1892 † Dockrill, George O'Gorman Mahon.
1899 Douglas, John Carey, *A.B.*
1885 † Doull, Walter Scott, *B.A.*
1892 Doyle, Matthew Nicholas.
1905 Eagar, Martin Wingate.
1906 Elliott, Murray.
1905 Elliott, Percival St. Clair.
1890 Fairweather, Fredk. Laurence
1891 Fairweather, Stewart Lee.
1899 Fawcett, John Louis.
1905 Fenerty, Lloyd Hamilton.
1897 Ferguson, Wm. McMillan.
1895 *c* Finlayson, Duncan, *B.A.*
1898 *d* Finn, Robt. Emmett Dominick
1889 Forsythe, Geo. Ormond, *B.A.*
1905 Foster, William Gore.
1890 Frame, Joseph Fulton.
1892 *e* Fraser, Alex. Hugh Ross.
1898 *ff* Fraser, Thomas Munro.
1899 Freeman, Churchill Locke, *B.A.*
1895 Fullerton, Charles Percy.
1892 Fulton, Edgar Melville.
1893 Fulton, Joseph Avard.
1892 Fulton, Willard Hill, *B.A.*
1895 Girroir, Edward Lavin, *B.A.*
1906 Graham, Bruce Thompson, *B.A.*
1893 Graham, Robert Blackwood.
1894 Graham, Robert Henry, *B.A.*
1895 Grant, David Kenzie, *M.A.*

w Member of Legislative Assembly (N. S.).
x Clerk of Legislative Council, Editor of *Acadian Recorder* (Hfx.).
y Member of Legislative Assembly (Alb.).
z Member of Legislative Assembly (B. C.).
a General Counsel, Mex. Light & Power Co. (Mexico City).
b Member of Legislative Assembly (N. B.).
c Member of Parliament.
d Member of Legislative Assembly (N. S.).
e Law Librarian (Cornell).
ff Editor *Daily Echo.*

1899 Gray, William Smith, *B.A.*
1888 Gregory, Charles Ernest.
1893 Grierson, John Arthur, *B.A.*
1897 Gunn, Alex. Donald, *B.L.*
1900 Hale, Morley, *B.A.*
1900 Hall, Wm. Lorimer, *B.A.*
1890 † Hamilton, Chas Francis, *B.A.*
1901 Hanson, Rich. Burpee, jr., *B.A.*
1887 Hanright, Fredk. Wm., *B.A.*
1904 Harrington, Gordon Sydney.
1902 Harris, William James.
1904 Haviland, John Archibald.
1886 Henry, William Alexander.
1894 Hewson, Edgar Ellis, *B.A.*
1894 Hill, Wm. Arthur Gesner.
1896 Hood, John.
1890 Howay, Frederick William.
1890 Huggins, William Hugh.
1894 Irving, Robert Archibald.
1902 Irwin, Harry.
1885 Ives, Welsford Black.
1900 Jardine, David, *B.A.*
1896 Jenks, Stewart Dixon, *LL.B.*
1886 Jennison, Hedley Vicars.
1892 Johnstone, Lewis Martin.
1898 Johnston, Jas. Robinson, *B.L.*
1888 Jones, Harry Treadway.
1898 Kaulbach, Rupert Creighton
1895 Keefler, Ralph Tupper, *B.A.*
1901 Keith, Donald, jr., *B.A.*
1893 Kenny, Joseph Burke.
1899 Killam, Cecil, *A.M.*
1895 King, Henry Wyeth DeWolfe.
1897 Knight, James Arminius.
1887 Lane, Charles Wilkins.
1898 Leahy, William James.
1885 LeNoir, Melaim Uniacke.
1903 Livingston, Chas. Donald.
1902 Lockhart, Nathan Jos., *B.A.*
1906 Locke, Enos Charles, *B.A.*
1891 *f* Logan, Hance James.
1896 Loggie, William James.
1889 Lovett, Henry Almon, *B.A.*
1895 Lovett, Laurence Arthur.
1906 Lyons, John Baptist.
1887 Lyons, William Alexander.
1890 *g* McBride, Richard.
1896 † McCart, Leander Davison, *B.A.*
1893 *h* McCoy, Wensley Blackall, *B.A.*
1888 McCready, Chas. Alexander.
1887 McCully, Frank Arthur.
1904 McCurdy, David Douglas.
1894 *i* Macdonald, Alvin Fraser, *B.A.*
1891 McDonald, Allan Joseph, *B.A.*
1906 McDonald, Bernard Donald.
1887 *f* Macdonald, Edward Mortimer.
1899 MacDonald, Finlay.
1891 McDonald, Joseph.
1886 Macdonald, James Alex., *B.A.*
1892 McDonald, Lauchlin Xavier.
1890 McDonald, William, *B.A.*
1902 Macdonald, William Rod.
1898 MacEchen, Francis Alex.
1906 McGillivray, Alex. And.
1895 *j* MacIlreith, Robert.
1888 *k* McInnes, Hector.
1906 MacIntosh, Alex. Dan., *B.A.*
1899 McIntyre, Archie A., *B.A.*
1888 *l* Mackay, Adams Arch., *B.A.*
1899 MacKay, Henry Seaton.
1905 MacKay, Ira Allen, *M.A.*, *Ph.D.*
1899 MacKay, John James.
1897 McKay, John William.
1896 McKay, Robert Sims.
1905 MacKay, Rodk. Wm.
1897 MacKenzie, Alex. George.
1887 *m* Mackinnon, Donald Alex.
1892 MacKinnon, John Arch., *B.A.*
1897 McKinnon, John Lauchlin, *B.A.*
1898 McLatchy, Harry Otis.
1887 *n* McLatchy, Henry Francis.
1892 *f* McLean, Alex. Kenneth.
1895 McLean, Chas. Arch., *B.A.*
1907 Maclean, Donald, *B.Sc.*
1904 *o* Maclellan, William Edward, *LL.B.* (Hfx.) *ad eund. grad.*
1888 McLennan, Daniel.
1905 McLennan, Donald.
1906 McLeod, James Archibald.
1903 Macleod, John Ed. Annand, *B.A.*
1898 McLeod, John Robert.
1899 MacMillan, Neil A., *B.A.*
1891 McNeil, Alexander, *B.A.*
1889 McNeill, Albert Howard.
1901 Macneil, Malcolm George.
1890 McPhee, Daniel Lochlan.
1897 McPhie, Stewart.
1896 McVicar, Ronald.
1900 Maddin, James William.
1888 † Magee, Edgar Allison.
1898 Mahon, Harry Edmund, *B.A.*
1903 Manning, Wiley McClintock, *B.A.*
1893 March, Stephen Edgar.
1892 *p* Mathers, Frederick Francis.
1901 Matheson, Donald Frank.
1899 Matheson, Joseph Duncan.
1904 Meagher, Thos. Jos. Neil.
1890 Mellish, Humphrey, *B.A.*
1904 Miller, Lemuel James, *B.A.*
1886 Milliken, Albert Edward.
1898 Mills, Nehemiah Marks.
1893 Montgomery, John, *B.L.*
1885 † Mooney, Patrick C. C.
1892 Morine, Alfred Bishop.
1907 Morine, Alfred Nevill.
1906 Morrisey, William Stoker.
1888 *q* Morrison, Aulay McAulay.
1897 Morrison, Fred. Augustus.

---

† Deceased.
f Member of Parliament.
g Premier, B. C.
h Asst. Clerk Legislative Council (N. S.).
i Editor, *Morning Chronicle* (Hfx.).
j Mayor, Halifax.
k Lecturer on Procedure, and Treasurer, Dal. Coll.
l Law Clerk, N. S. Legislature.
m Lieut.-Governor, P. E. I.
n Judge County Court (N. B.).
o Post Office Inspector (N. S.)
p Deputy Provincial Sec'y (N. S.).
q Judge Supreme Court (B. C.).